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**VOCATIONAL PACKAGES.....QUICK LINKS - www.gmfleet.com / See Medium Duty Online Order Guide**

**WHEEL AND TIRE SPECIFICATIONS.....QUICK LINKS - www.gmfleet.com / See Medium Duty Online Order Guide / Technical Data / Gray Tabs**

## MODEL SYMBOL CHART

| | | | |
|---|---|---|---|
| Conventional Cab Chassis<br>2 wheel drive | Crew Cab Chassis<br>2 wheel drive | Motorhome Cutaway Cab Chassis<br>2 wheel drive | Commercial Cutaway Cab Chassis<br>2 wheel drive |
| C4C042/044<br>C5C042/044 | C4E042/044<br>C5E042/044 | C4U042<br>C5U042 | C4V042<br>C5V042 |

**MODEL DESIGNATOR KEY:**

| Position | 1 | 2 | 3 | 4 | 5 | 6,7 |
|---|---|---|---|---|---|---|
| | Division | Model Line | GVW Range | Cab Style | Constant | Chassis Type |
| | not shown | | | | 0 | |

**Division:**
C = Chevrolet
T = GMC

**Chassis Type:**
42 = 2 wheel drive
44 = 4 wheel drive
64 = Tandem
66 = 6 wheel drive

**General Information:**

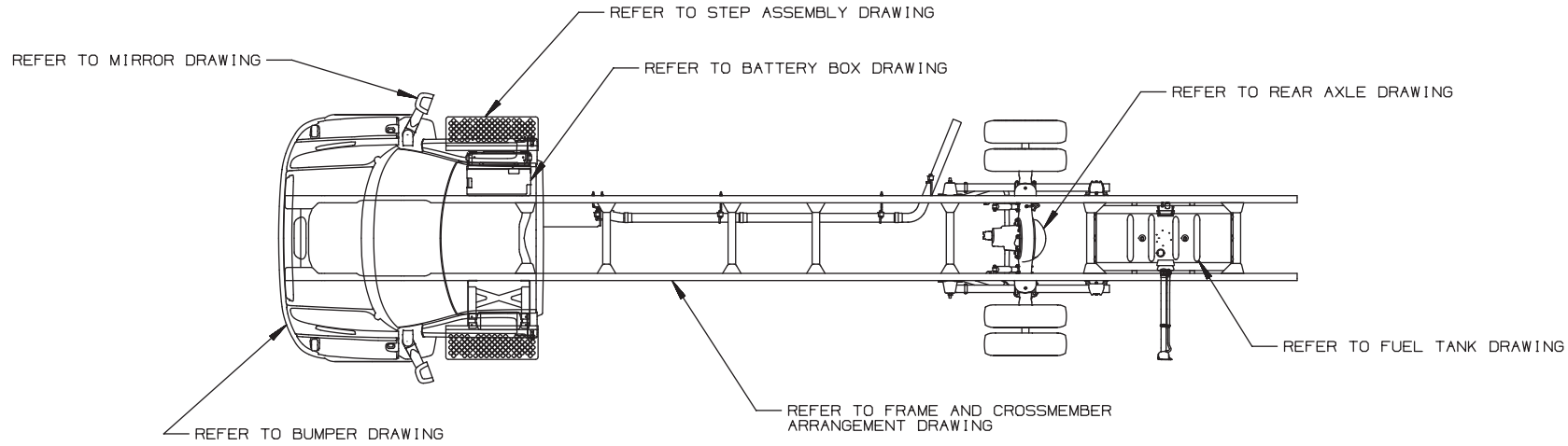
| RPO Code | VDS Books |
|---|---|
| X88 = Chevrolet | 10 = Family 2 |
| Z88 = GMC | |

**Model Line:**
C = C Series
T = T Series

**GVW Range:**
4 = 16000 - 18000
5 = 18001 - 26000

**Cab Style:**
C = Conventional
E = Crew
U = Motorhome Cutaway
V = Commercial Cutaway

## General Arrangement – Regular / Cutaway Cab (042)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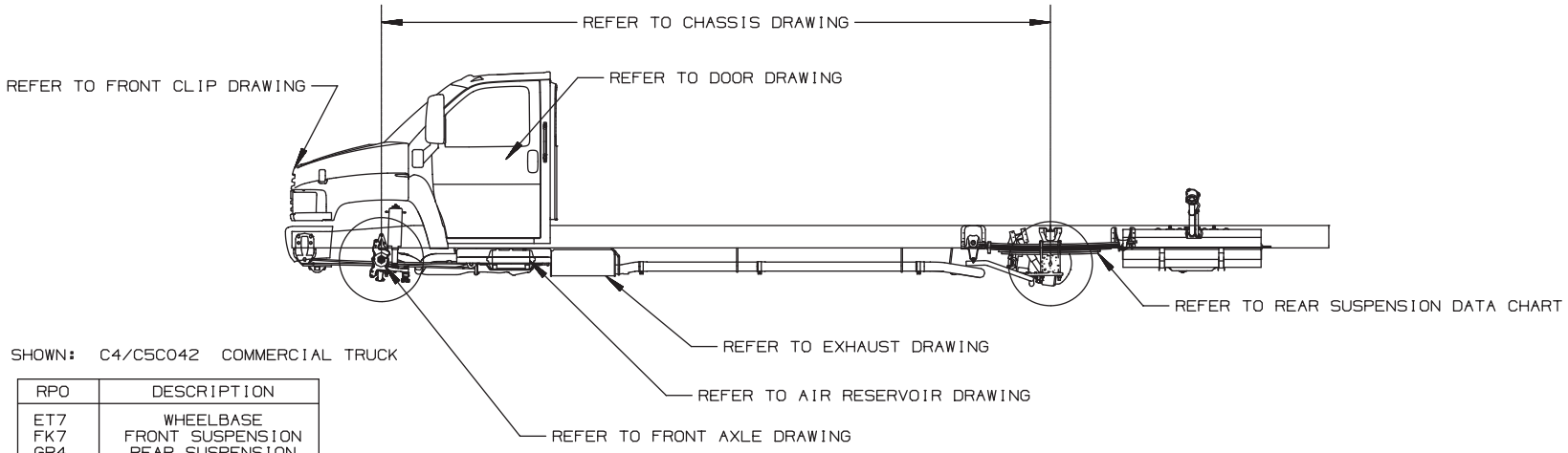
REFER TO FUEL TANK DRAWING
REFER TO FRAME AND CROSSMEMBER ARRANGEMENT DRAWING
REFER TO BUMPER DRAWING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REFER TO FRONT CLIP DRAWING
REFER TO DOOR DRAWING
REFER TO REAR SUSPENSION DATA CHART
REFER TO EXHAUST DRAWING
REFER TO AIR RESERVOIR DRAWING
REFER TO FRONT AXLE DRAWING

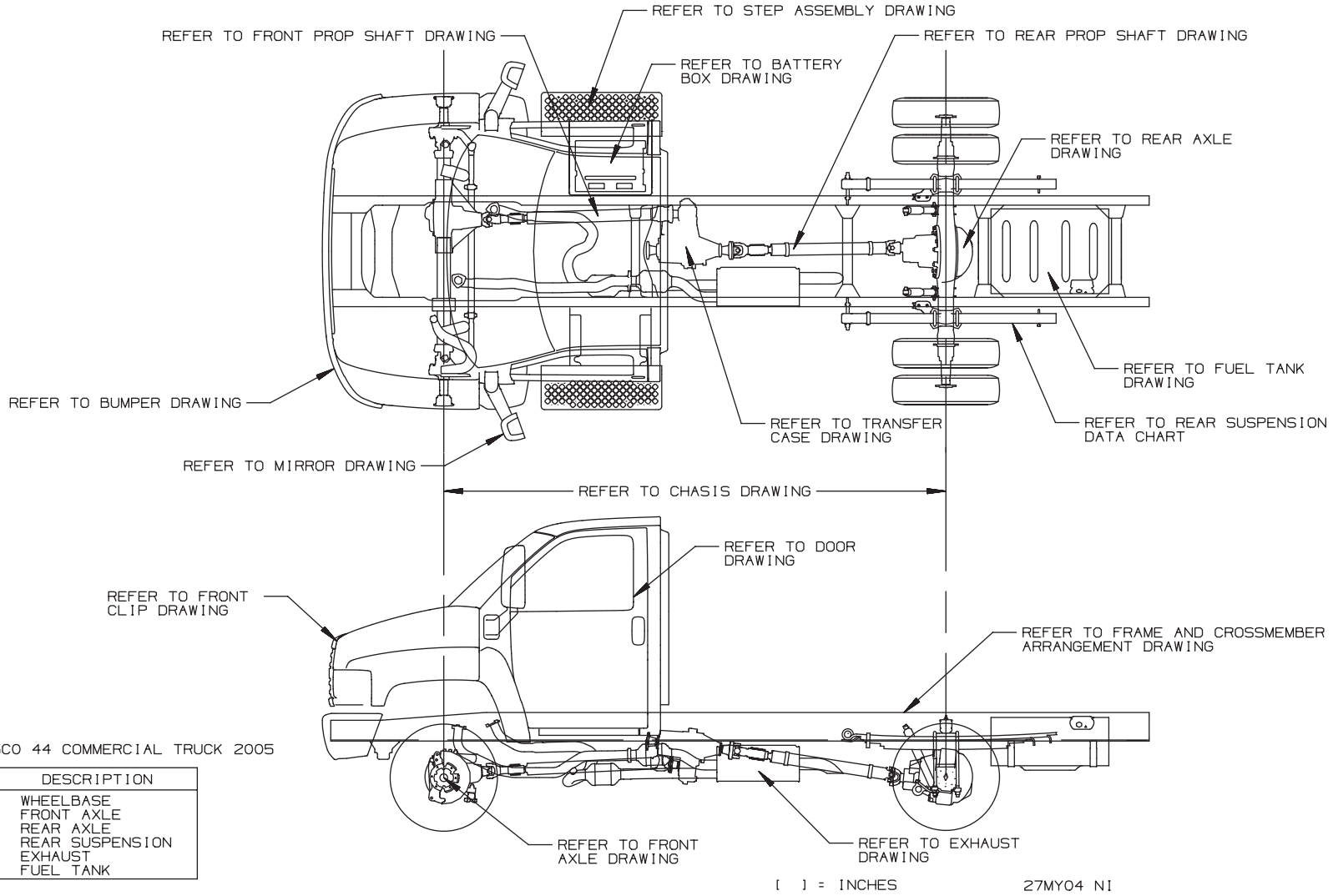
SHOWN: C4/C5C042 COMMERCIAL TRUCK

| RPO | DESCRIPTION |
|---|---|
| ET7 | WHEELBASE |
| FK7 | FRONT SUSPENSION |
| GR4 | REAR SUSPENSION |
| N1B | EXHAUST |
| N23 | FUEL TANK |

[ ] = INCHES

**TD005951**

## General Arrangement – Regular / Crew Cab (044)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REFER TO FRONT PROP SHAFT DRAWING
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REFER TO REAR AXLE DRAWING
REFER TO FUEL TANK DRAWING
REFER TO BUMPER DRAWING
REFER TO TRANSFER CASE DRAWING
REFER TO REAR SUSPENSION DATA CHART
REFER TO MIRROR DRAWING
REFER TO CHASIS DRAWING
REFER TO DOOR DRAWING
REFER TO FRONT CLIP DRAWING
REFER TO FRAME AND CROSSMEMBER ARRANGEMENT DRAWING
REFER TO FRONT AXLE DRAWING
REFER TO EXHAUST DRAWING
[ ] = INCHES
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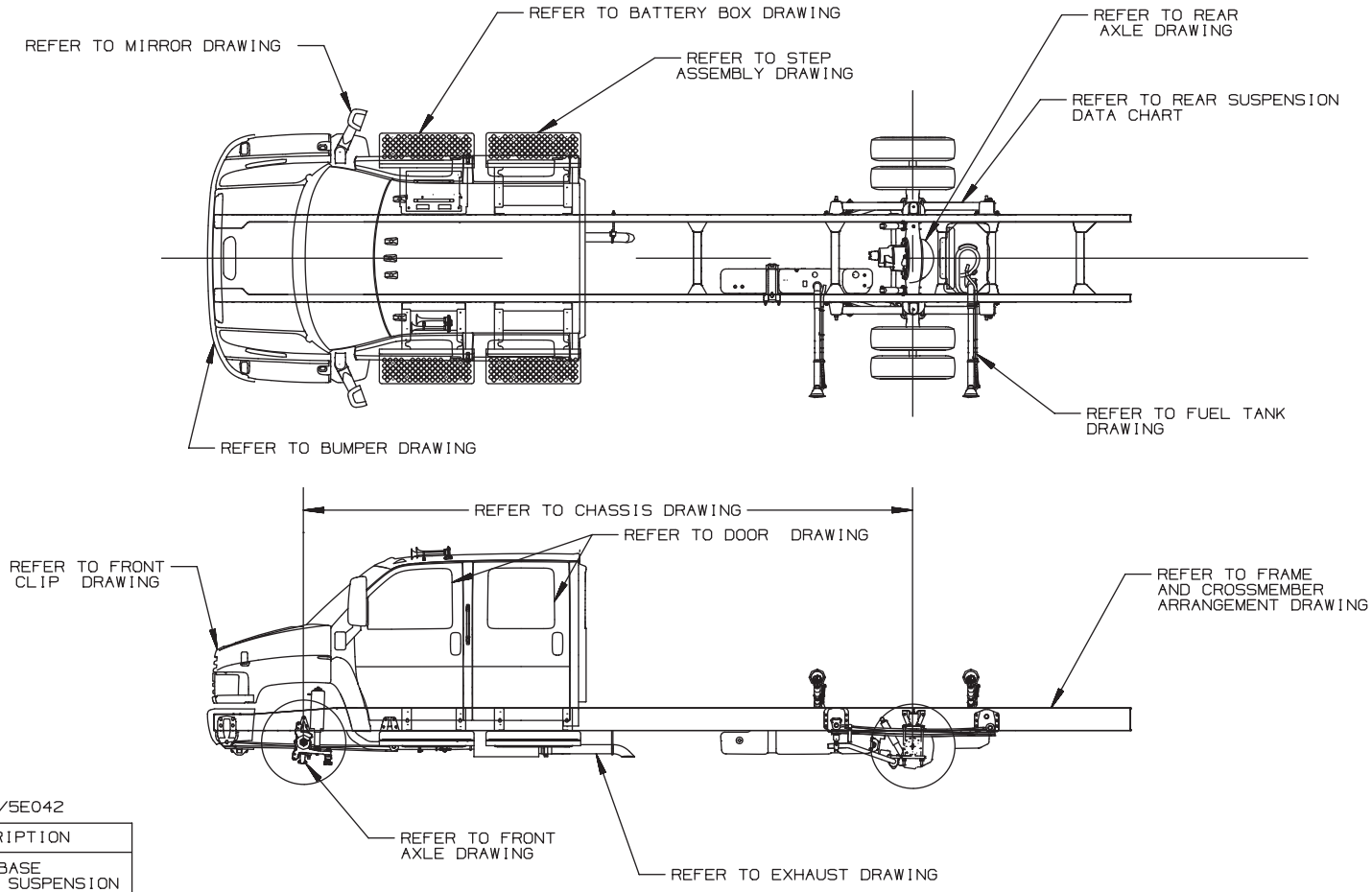
SHOWN: 4C05C0 44 COMMERCIAL TRUCK 2005

| RPO | DESCRIPTION |
|---|---|
| EG9 | WHEELBASE |
| FRX | FRONT AXLE |
| GL8 | REAR AXLE |
| GR4 | REAR SUSPENSION |
| NB5 | EXHAUST |
| NH4 | FUEL TANK |

**TD006351a**

## General Arrangement – Crew Cab (042)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REFER TO FUEL TANK DRAWING
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REFER TO DOOR DRAWING
REFER TO FRONT CLIP DRAWING
REFER TO FRAME AND CROSSMEMBER ARRANGEMENT DRAWING
REFER TO FRONT AXLE DRAWING
REFER TO EXHAUST DRAWING

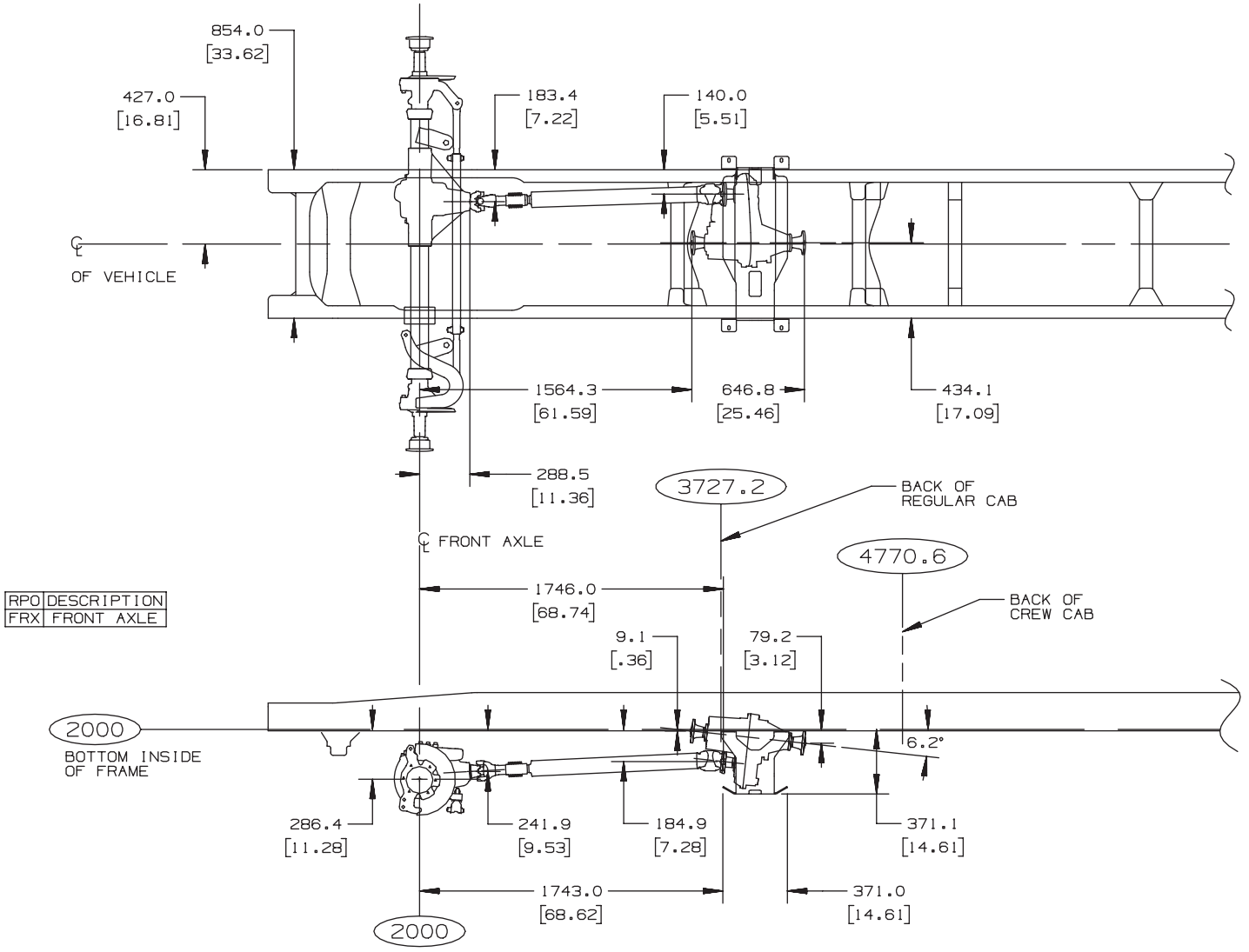
SHOWN: C4/5E042

| RPO | DESCRIPTION |
|---|---|
| FRP | WHEELBASE |
| FK6 | FRONT SUSPENSION |
| GXA | REAR SUSPENSION |
| NB5 | EXHAUST |
| NG6 | FUEL TANK |

[ ] = INCHES

**TD005952**

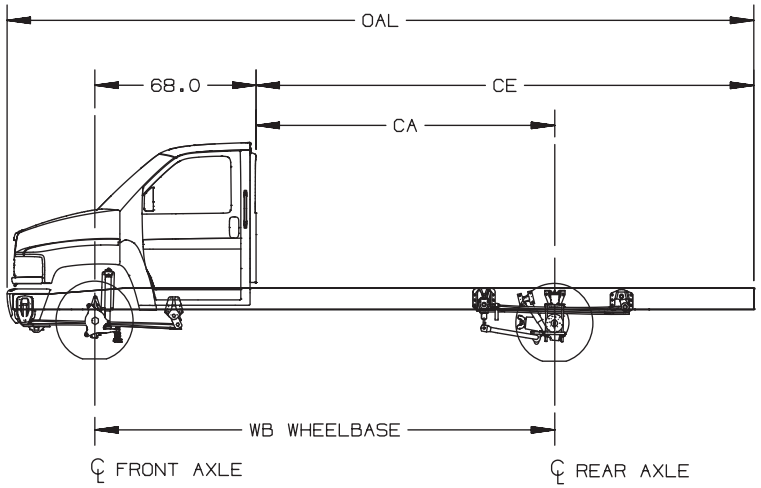
## Front Drive Axle and Transfer Case Chassis Locations




SHOWN: 2005 GMT560 C4C/E C5C/E 0 44 ALL 13MY04 NI [ ]= INCHES

**ANA26576a**

## Body Payload Weight Distribution – Regular Cab




NOTES:

* PERCENTAGES ALLOWED FOR 3" CB (CAB TO BODY CLEARANCE) AND ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-CB-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4C042

(X) N/A ON C4C/C5C044

C4C/C5C042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

| | DIMENSIONS (IN) | | | | ** BODY LENGTHS (FT) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WHEELBASE | CA | CE | OAL | 8 | 9 | 10 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 26 |
| (X) | EC9/128 | [ 60.0 ] | [ 100.5 ] | [ 205.5 ] | 7/93 | | | | | | | | | | | | | |
| (X) | FQT/140 | [ 72.0 ] | [ 145.6 ] | [ 250.6 ] | 15/85 | 11/89 | 6/94 | | | | | | | | | | | |
| | EG9/152 | [ 84.0 ] | [ 145.6 ] | [ 250.6 ] | | 18/82 | 14/86 | 6/94 | | | | | | | | | | |
| | FNW/176 | [ 108.0 ] | [ 177.7 ] | [ 282.7 ] | | | | 19/81 | 12/88 | 9/91 | 5/95 | | | | | | | |
| | EK8/188 | [ 120.0 ] | [ 204.1 ] | [ 309.1 ] | | | | 24/76 | 18/82 | 14/86 | 11/89 | 8/92 | 5/95 | | | | | |
| *** | EK4/194 | [ 126.0 ] | [ 210.0 ] | [ 315.0 ] | | | | | 20/80 | 17/83 | 14/86 | 11/89 | 8/92 | 5/95 | | | | |
| (X) *** | EK5/206 | [ 138.0 ] | [ 222.0 ] | [ 327.0 ] | | | | | 25/75 | 22/78 | 19/81 | 16/84 | 13/87 | 10/90 | 7/93 | | | |
| *** | EL5/212 | (144.0) | (228.1) | (333.1) | | | | | 27/73 | 24/76 | 21/79 | 18/82 | 16/84 | 13/87 | 10/90 | | | |
| (X) | EK6/224 | [ 156.0 ] | [ 240.0 ] | [ 345.0 ] | | | | | | 28/72 | 25/75 | 23/77 | 20/80 | 17/83 | 15/85 | 9/91 | | |
| (X) | EE4/254 | [ 186.0 ] | [ 278.7 ] | [ 383.7 ] | | | | | | | | | 30/70 | 27/73 | 25/75 | 20/80 | 15/85 | 13/87 |

FOR: GMT 560, C4C0/C5C042
C4C0/C5C044

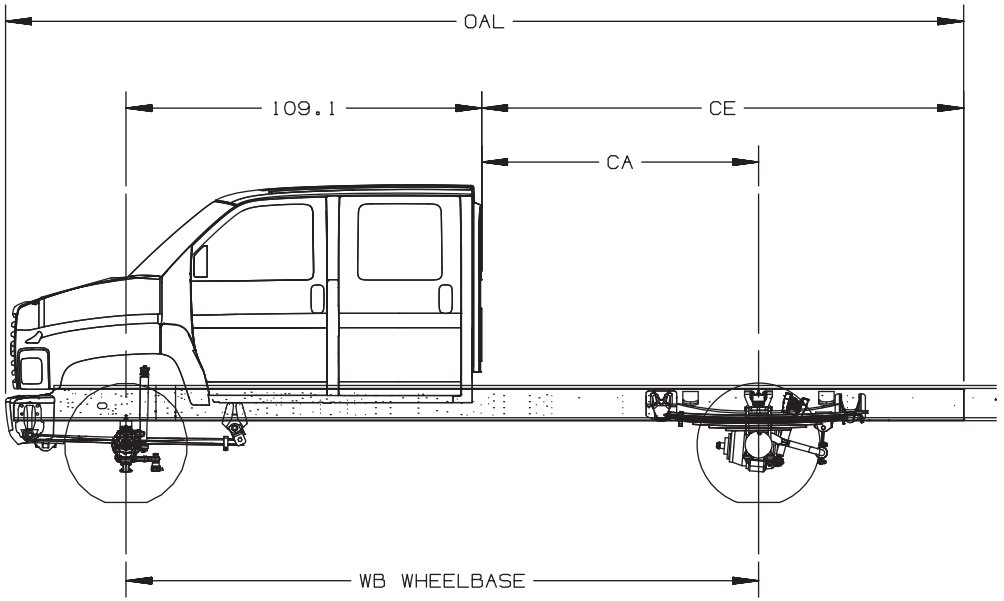
[ ]=INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

06/15/04 REV

**TD005843a**

## Body Payload Weight Distribution – Crew Cab




NOTES:

* PERCENTAGES ALLOWED FOR 3" CB (CAB TO BODY CLEARANCE) AND ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-CB-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4E042

(X) N/A ON C4E/C5E044

C6E/C7E/C8E042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

| | DIMENSIONS (IN) | | | | ** BODY LENGHTS (FT) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WHEELBASE | CA | CE | OAL | 7 | 8 | 9 | 10 | 12 | 14 | 15 | 16 | 17 | 18 |
| | FPP/169 | 59.9 | 121.6 | 267.6 | 9/91 | 5/95 | | | | | | | | |
| | EK4/194 | 84.9 | 146.6 | 292.6 | | | 14/86 | 11/89 | 5/95 | | | | | |
| | ED7/217 | 107.9 | 191.9 | 337.9 | | | | | 15/85 | 10/90 | 7/93 | | | |
| | EQ4/229 | 119.9 | 203.9 | 350.0 | | | | | 20/80 | 14/86 | 12/88 | 9/91 | 7/93 | |
| (x) *** | FRP/235 | 125.9 | 210.0 | 356.0 | | | | | | 17/83 | 14/86 | 11/89 | 9/91 | 6/94 |

FOR: GMT 560, C4E0/C5E042
C4E0/C5E044

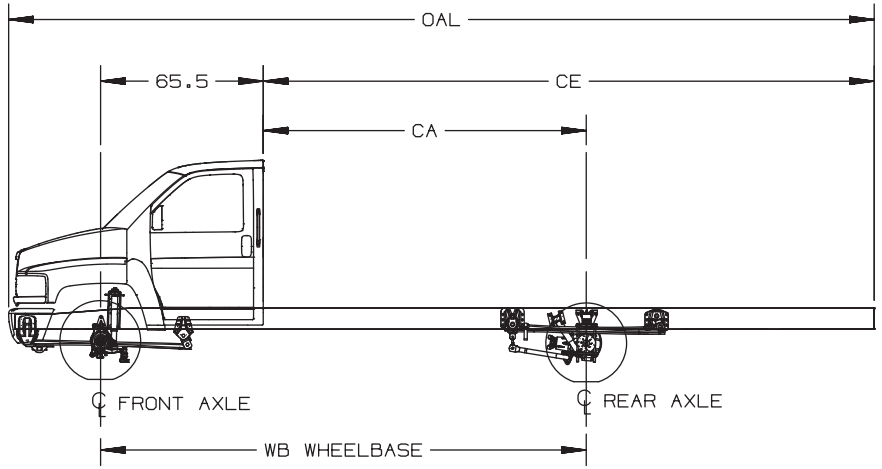
[ ]= INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

06/15/04 REV

**TD005846a**

## Body Payload Weight Distribution – RV Cutaway




NOTES:

* PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4U042

C4U0/C5U042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

EXPANDED GVW MOTORHOMES (22,24,26K) SHOULD NOT BE CONFIGURED SUCH THAT FRAME IS SUBJECTED TO REAR BIAS LOADING. REAR BIAS LOADING IS DEFINED AS CENTER OF GRAVITY OF LOAD LOCATED BEHIND REAR AXLE.

| | DIMENSIONS (IN) | | | | ** BODY LENGTHS (FT) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WHEELBASE | CA | CE | OAL | 10 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 |
| | EC1/165.5 | [ 100.0 ] | [ 183.9 ] | [ 286.4 ] | 24/76 | 17/83 | 9/91 | | | | | | | | |
| | EC2/183.5 | [ 118.0 ] | [ 218.4 ] | [ 320.9 ] | 31/69 | 25/75 | 18/82 | 15/85 | 11/89 | 8/92 | | | | | |
| *** | EC3/195.5 | [ 130.0 ] | [ 245.9 ] | [ 348.4 ] | | 29/71 | 23/77 | 20/80 | 17/83 | 14/86 | 11/89 | 8/92 | | | |
| *** | EC4/213.5 | [ 148.0 ] | [ 264.1 ] | [ 366.5 ] | | 35/65 | 29/71 | 27/73 | 24/76 | 21/79 | 18/82 | 15/85 | 13/87 | 7/93 | |
| | EP5/221.5 | [ 156.0 ] | [ 284.0 ] | [ 386.4 ] | | | 32/68 | 29/71 | 27/73 | 24/76 | 21/79 | 18/82 | 16/84 | 10/90 | |
| *** | EQ8/233 | (167.5) | (300.0) | (402.4) | | | 35/65 | 33/67 | 30/70 | 28/72 | 25/75 | 23/77 | 20/80 | 15/85 | 10/90 |
| *** | FXA/239 | (173.5) | (286.7) | (389.2) | | | | 34/66 | 32/68 | 29/71 | 27/73 | 24/76 | 22/78 | 17/83 | 12/88 |

FOR: GMT 560, C4U0/C5U042

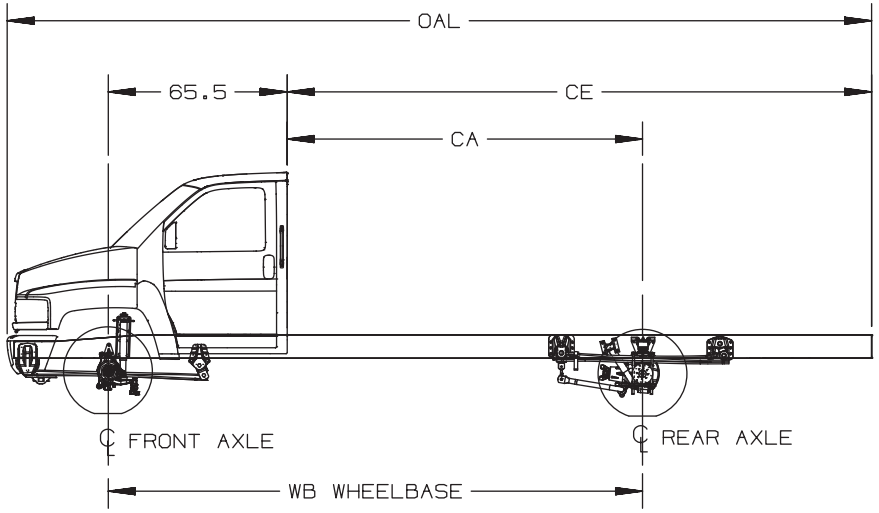
[ ]= INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

6/25/04 REV

**TD005844a**

## Body Payload Weight Distribution – Commercial Cutaway




NOTES:

* PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

** EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

*** N/A ON C4V042

C4V0/C5V042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR) *

| | DIMENSIONS (IN) | | | | ** BODY LENGTHS (FT) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WHEELBASE | CA | CE | OAL | 10 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 26 |
| | EC1/165.5 | [ 100.0 ] | [ 170.7 ] | [ 273.2 ] | 24/76 | 17/83 | 9/91 | | | | | | | | | |
| | EC2/183.5 | [ 118.0 ] | [ 201.8 ] | [ 304.3 ] | 31/69 | 25/75 | 18/82 | 15/85 | 11/89 | | | | | | | |
| | EC3/195.5 | [ 130.0 ] | [ 213.9 ] | [ 316.3 ] | 35/65 | 29/71 | 23/77 | 20/80 | 17/83 | 14/86 | 11/89 | 8/92 | | | | |
| | EP5/221.5 | [ 156.0 ] | [ 240.0 ] | [ 342.5 ] | | 37/63 | 32/68 | 29/71 | 27/73 | 24/76 | 21/79 | 19/81 | 16/84 | 10/90 | | |
| *** | EQ8/233 | [ 167.5 ] | [ 251.5 ] | [ 354.0 ] | | | 35/65 | 33/67 | 30/70 | 28/72 | 25/75 | 23/77 | 20/80 | 15/85 | 10/90 | |

[ ]= INCHES

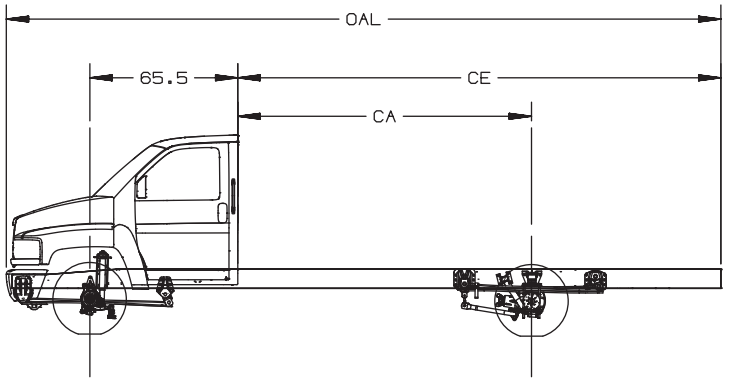
FOR MILLIMETER CONVERSION MULTIPLY X 25.4

FOR: GMT 560, C4V0/C5V042

6/25/04 REV

**TD005844b**

## Body Payload Weight Distribution – Commercial Cutaway (ANC-Shuttle Bus, B3D-School Bus)




NOTES:

PERCENTAGES ARE BASED ON EVEN DISTRIBUTION OF WEIGHT (FORMULA: (CA-1/2BL)/WB CGA OR % FRONT AXLE)

EFFECTIVE LENGTH IN WHICH FRONT AXLE LOAD IS 6% OR LESS IS NORMALLY POOR DISTRIBUTION

**C4V042/C5V042

*C5V042

C4V0/C5V042 BODY-PAYLOAD WEIGHT DISTRIBUTION (% FRONT / % REAR)

| | DIMENSIONS (IN) | | | | ** BODY LENGTHS (FT) | | | | | | | | | | | | RPO | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WHEELBASE | CA | CE | OAL | 10 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 26 | ANC/B3D | |
| ** | EC1 165.5 | 100.0 | 188.7 | 291.1 | 24/76 | 17/83 | 9/91 | | | | | | | | | | ANC/B3D | |
| ** | EC2 183.5 | 118.0 | 206.6 | 309.1 | 31/69 | 25/75 | 18/82 | 15/85 | 11/89 | | | | | | | | ANC/B3D | |
| * | EC3 195.5 | 130.0 | 218.6 | 321.1 | 35/65 | 29/71 | 23/77 | 20/80 | 17/83 | 14/86 | 11/89 | | | | | | ANC/B3D | |
| * | EC4 213.5 | 148.0 | 236.7 | 339.2 | | 35/65 | 29/71 | 27/73 | 24/76 | 21/79 | 18/82 | 15/85 | 13/87 | 7/93 | | | ANC | 40 GALLON FUEL TANK |
| * | EC4 213.5 | 148.0 | 262.5 | 365.0 | | 35/65 | 29/71 | 27/73 | 24/76 | 21/79 | 18/82 | 15/85 | 13/87 | 7/93 | | | ANC | 60 GALLON FUEL TANK |
| * | EQE 220 | 154.5 | 261.0 | 363.4 | | 37/63 | 32/68 | 29/71 | 26/74 | 23/77 | 21/79 | 18/82 | 15/85 | 10/90 | | | ANC/B3D | |
| * | EQ8 233 | 167.5 | 273.9 | 376.4 | | | 35/65 | 33/67 | 30/70 | 28/72 | 25/75 | 23/77 | 20/80 | 15/85 | 10/90 | | ANC/B3D | |
| * | EQ1 246 | 180.5 | 286.9 | 389.4 | | | | 36/64 | 34/66 | 31/69 | 29/71 | 27/73 | 24/76 | 19/81 | 14/86 | 9/91 | ANC/B3D | |
| * | ET7 259 | 193.5 | 299.9 | 402.4 | | | | | 37/63 | 35/65 | 33/67 | 30/70 | 28/72 | 23/77 | 19/81 | 14/86 | ANC/B3D | |

FOR: GMT 560, C4V0/C5V042, 2004

ANC= SHUTTLE BUS

B3D= SCHOOL BUS

[ ] INCHES

FOR MILLIMETER CONVERSION MULTIPLY X 25.4

6/25/04 REV

**TD005844c**

# Formulas for Calculating Height Dimensions to Top of Frame

## Front Axle

***Sample Data:***

| Model | Tire | Tire Loaded Radius | LH | C | D |
|---|---|---|---|---|---|
| C5C042 | 225/70R19.5F R3C/S3C (Goodyear) | 15" | 8.27" | 6.78" | 4.83" |

| Frame Reinforcement RPO | Wheelbase | Suspension RPO | Axle RPO |
|---|---|---|---|
| F08 | EG9 | FK7 (6,000 lb) | FN9 (6,000 lb) |

***Formulas:***

CH = C + Tire Loaded Radius + LH
DH = D + Tire Loaded Radius + LH

CH = 6.78" + 15" + 8.27" = 30.05"
DH = 4.83" + 15" + 8.27" = 28.1"

***Definitions:***

C – Centerline of axle to bottom inside of rail at curb position
D – Centerline of axle to bottom inside of rail at design load
LH – Distance from the bottom inside rail to the top of the rail

**NOTE:** For Tire Loaded Radius, go to the Medium Duty Online Order Guide and select Technical Data / Gray Tabs from the upper tool bar, and select Wheel-Tire Specification.

For the C & D values see the Front Axle and Suspension Chart.

For the LH values see the Frame Length with Reinforcements section.

***Step Height Dimensions:***

When calculating step height dimensions see the step assembly location, and the frame drawings for values.

# Formulas for Calculating Height Dimensions to Top of Frame

## Rear Axle

***Sample Data:***

| Model | Tire | Tire Loaded Radius | LH | C | D |
|---|---|---|---|---|---|
| C5C042 | 225/70R19.5F S3H (Goodyear) | 15.1" | 8.35" | 8.63" | 6.41" |

| Frame Reinforcement RPO | Wheelbase | Suspension RPO | Axle RPO |
|---|---|---|---|
| F08 | EK8 | GR4 (13,500 lb) | GL8 (13,500 lb) |

***Formulas:***

CH = Tire Loaded Radius + C + LH
DH = Tire Loaded Radius + D + LH

CH = 15.1" + 8.63" + 8.35" = 32.08"
DH = 15.1" + 6.41" + 8.35" = 29.86"

***Definitions:***

C – Centerline of axle to bottom inside of rail at curb position
D – Centerline of axle to bottom inside of rail at design load
LH – Distance from the bottom inside rail to the top of the rail

**NOTE:** For Tire Loaded Radius, go to the Medium Duty Online Order Guide and select Technical Data / Gray Tabs from the upper tool bar, and select Wheel-Tire Specification.

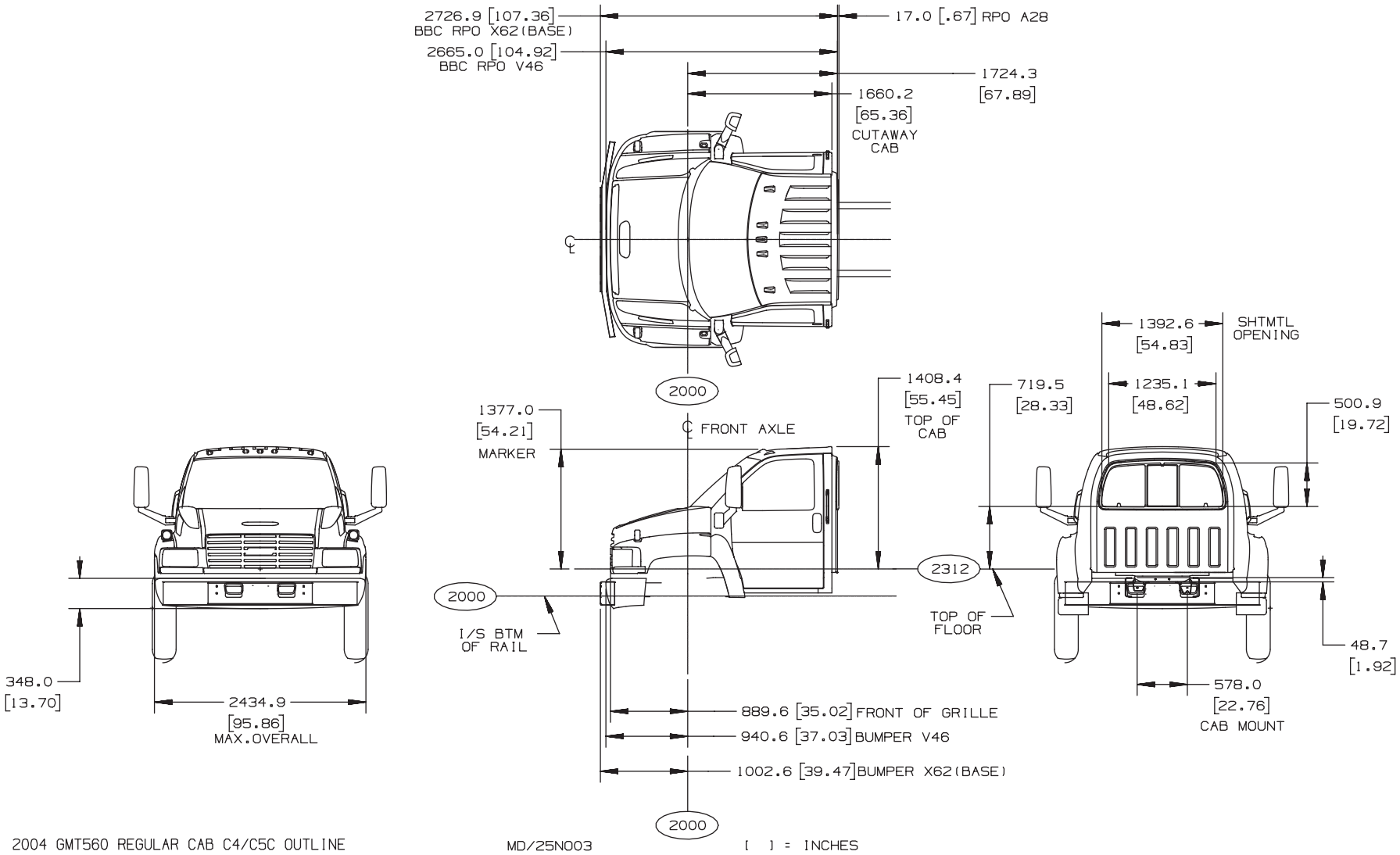
For the C & D values see the Front Axle and Suspension Chart.

For the LH values see the Frame Length with Reinforcements section.

***Step Height Dimensions:***

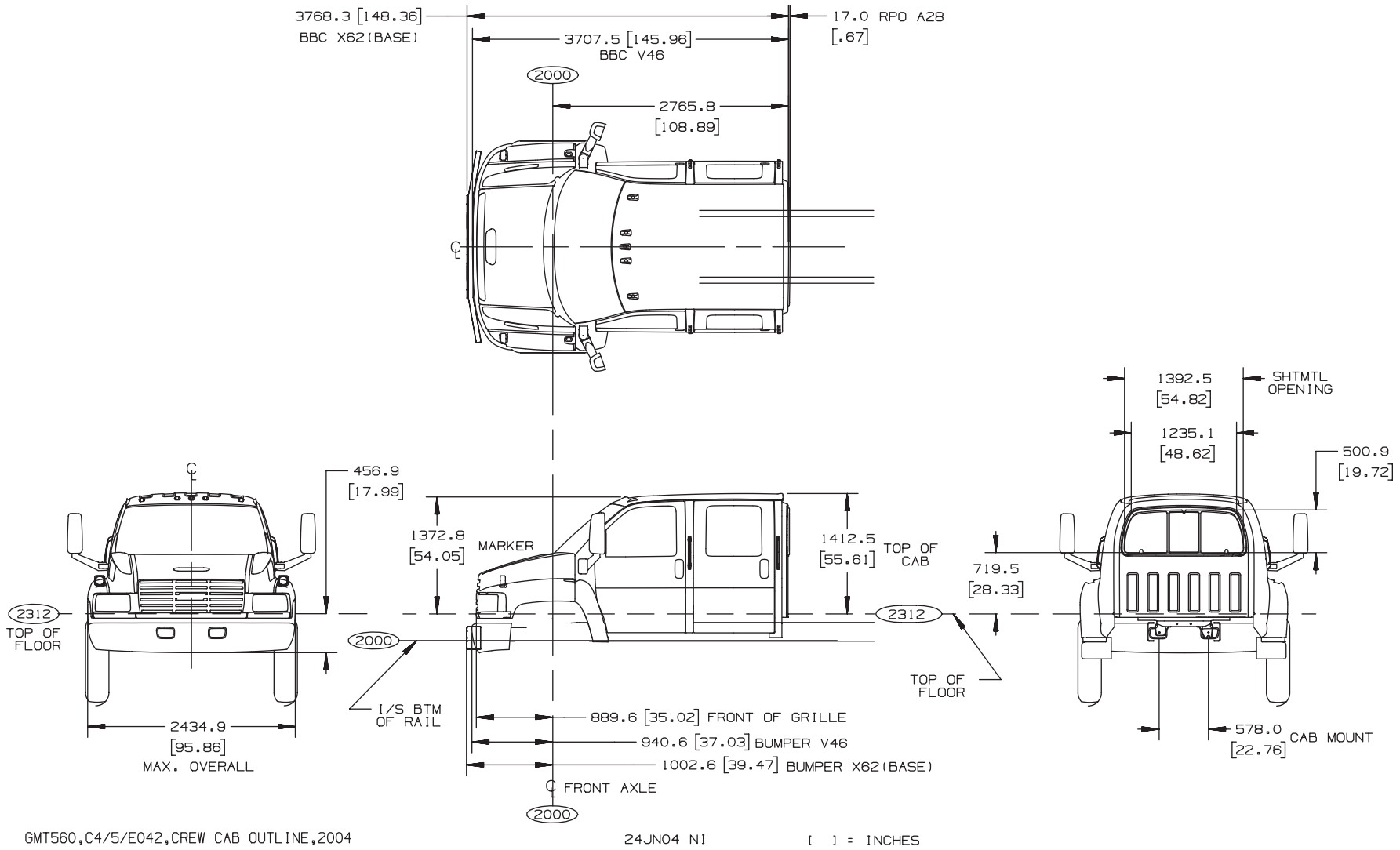
When calculating step height dimensions see the step assembly location, and the frame drawings for values.

## Regular and Cutaway Cab Exterior



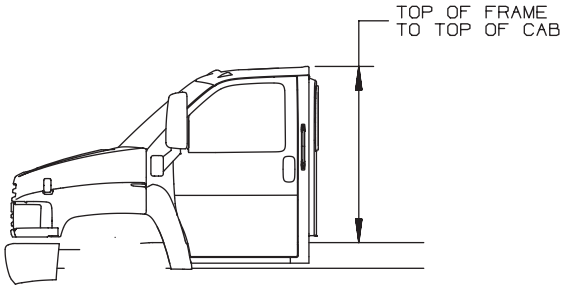

**TD005861b**

## Crew Cab Exterior




**TD005860a**

## Cab Heights – Top of Frame to Top of Cab Dimensions




| MEDIUM DUTY, C SERIES - FAMILY 2 | | |
|---|---|---|
| | FRAME RAIL THICKNESS | |
| | 6.0 [ 0.24 ] | 8.0 [ 0.32 ] |
| MODELS | DIMENSION: TOP OF FRAME TO TOP OF CAB | |
| REG. CAB - (C4/C5C)042/044 | 1510.4 [ 59.46 ] | 1508.4 [ 59.39 ] |
| CUTAWAY CAB - (C4/C5U)042&(C4/C5V)042 | | |
| CREW CAB - (C4/C5E)042/044 | 1515.0 [ 59.64 ] | 1513.0 [ 59.57 ] |

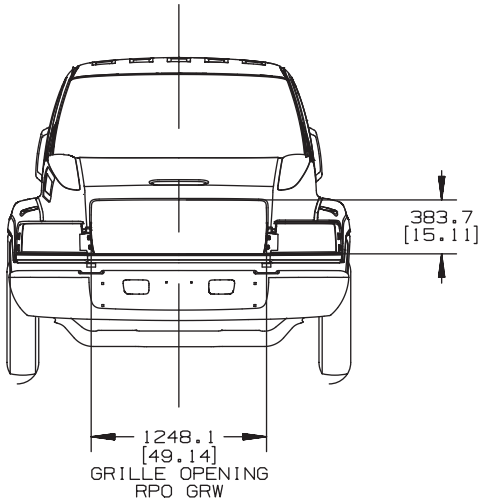
| MEDIUM DUTY, C SERIES - FAMILY 3 | | | | | | |
|---|---|---|---|---|---|---|
| | FRAME RAIL THICKNESS | | | FRAME RAIL THICKNESS | | |
| FRAME OPTIONS # | F0O | F05 | F02 | F0O | F05 | F02 |
| | 6.0 [ 0.24 ] | 8.0 [ 0.32 ] | 10.0 [ 0.39 ] | 6.0 [ 0.24 ] | 8.0 [ 0.32 ] | 10.0 [ 0.39 ] |
| INVERTED L REINF. OPTIONS # | | | | F08 | F08/FSA | F20/FSC |
| | | | | 6.0 [ 0.24 ] | 6.0 [ 0.24 ] | 6.0 [ 0.24 ] |
| MODELS | DIM: TOP OF FRAME TO TOP OF CAB | | | DIM: TOP OF FRAME REINF. TO TOP OF CAB | | |
| REG. CAB - (C6/C7/C8C)042/064 | 1580.5 [ 62.20 ] | 1578.5 [ 62.10 ] | 1551.5 [ 61.10 ] | 1574.5 [ 62.00 ] | 1572.5 [ 61.90 ] | 1545.5 [ 60.80 ] |
| CUTAWAY CAB - (C6/C7/C8V)042/064 | | | | | | |
| CREW CAB - (C6/C7/C8E)042/064 | 1584.6 [ 62.40 ] | 1582.6 [ 62.30 ] | 1555.6 [ 61.20 ] | 1578.6 [ 62.10 ] | 1576.6 [ 62.10 ] | 1549.6 [ 61.00 ] |

22JN04 NI

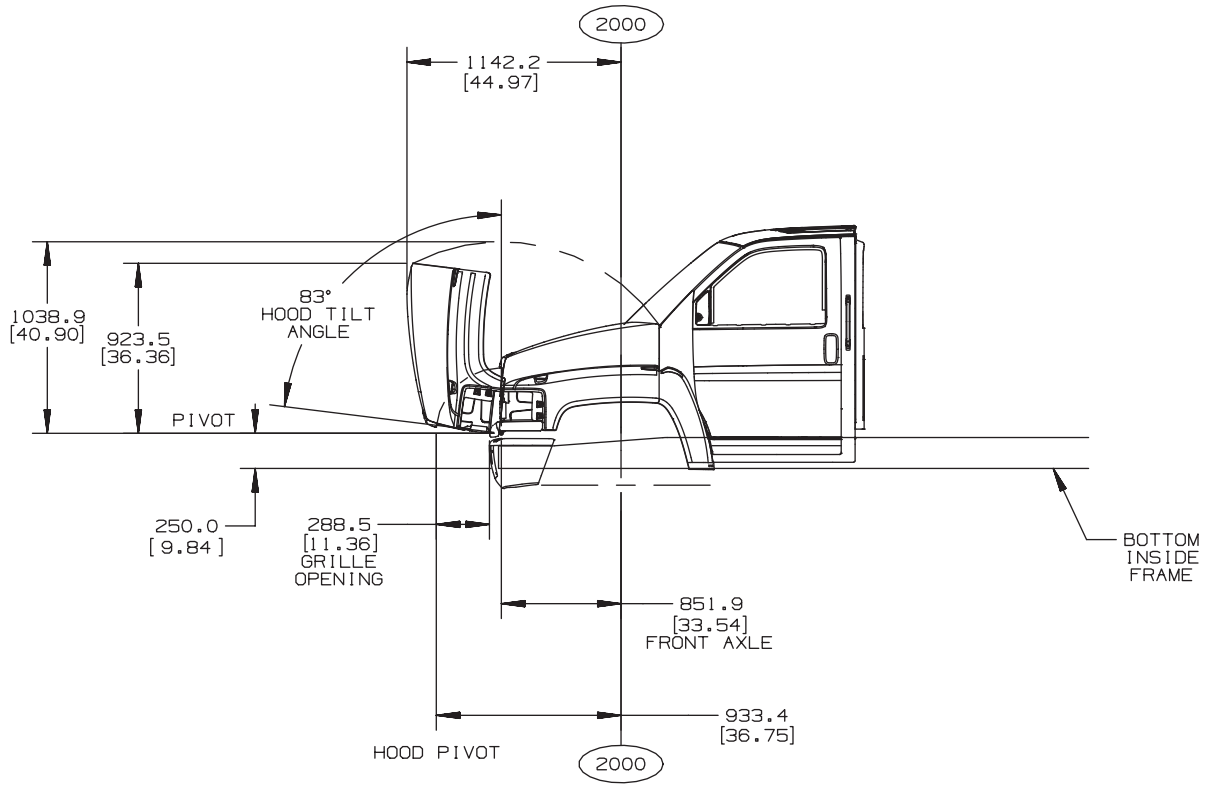
[ ]=INCHES

**TD005861d**

## Hood Swing and Grille Opening




NOTE:
ALL VERTICAL DIMENSIONS
ARE FROM THE INSIDE
BOTTOM FLANGE OF FRAME

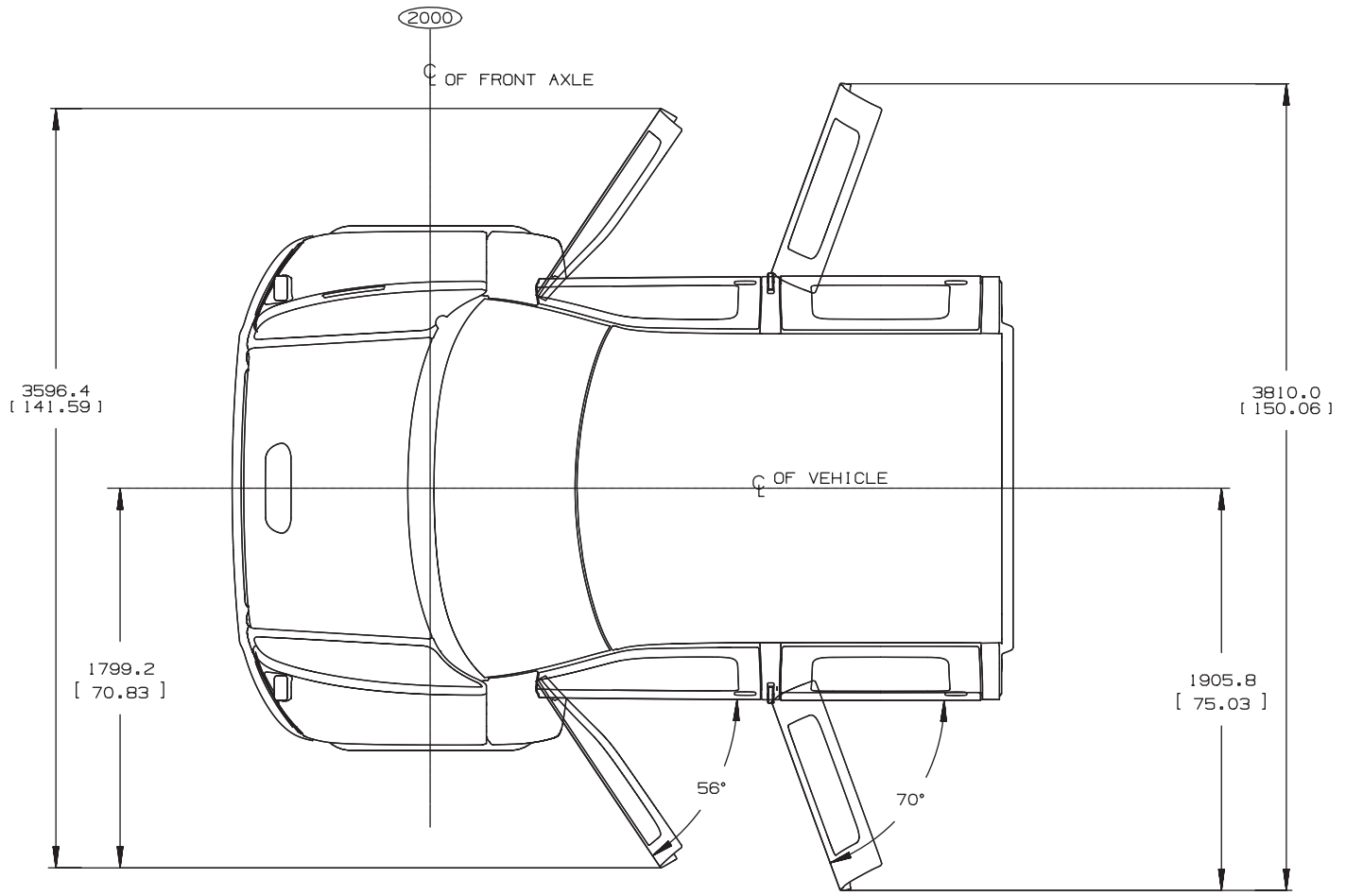



HOOD OPENING & SWING
GMT 560, C4/5, 2003

[ ] = INCHES

**TD005847a**

## *Door Swings*

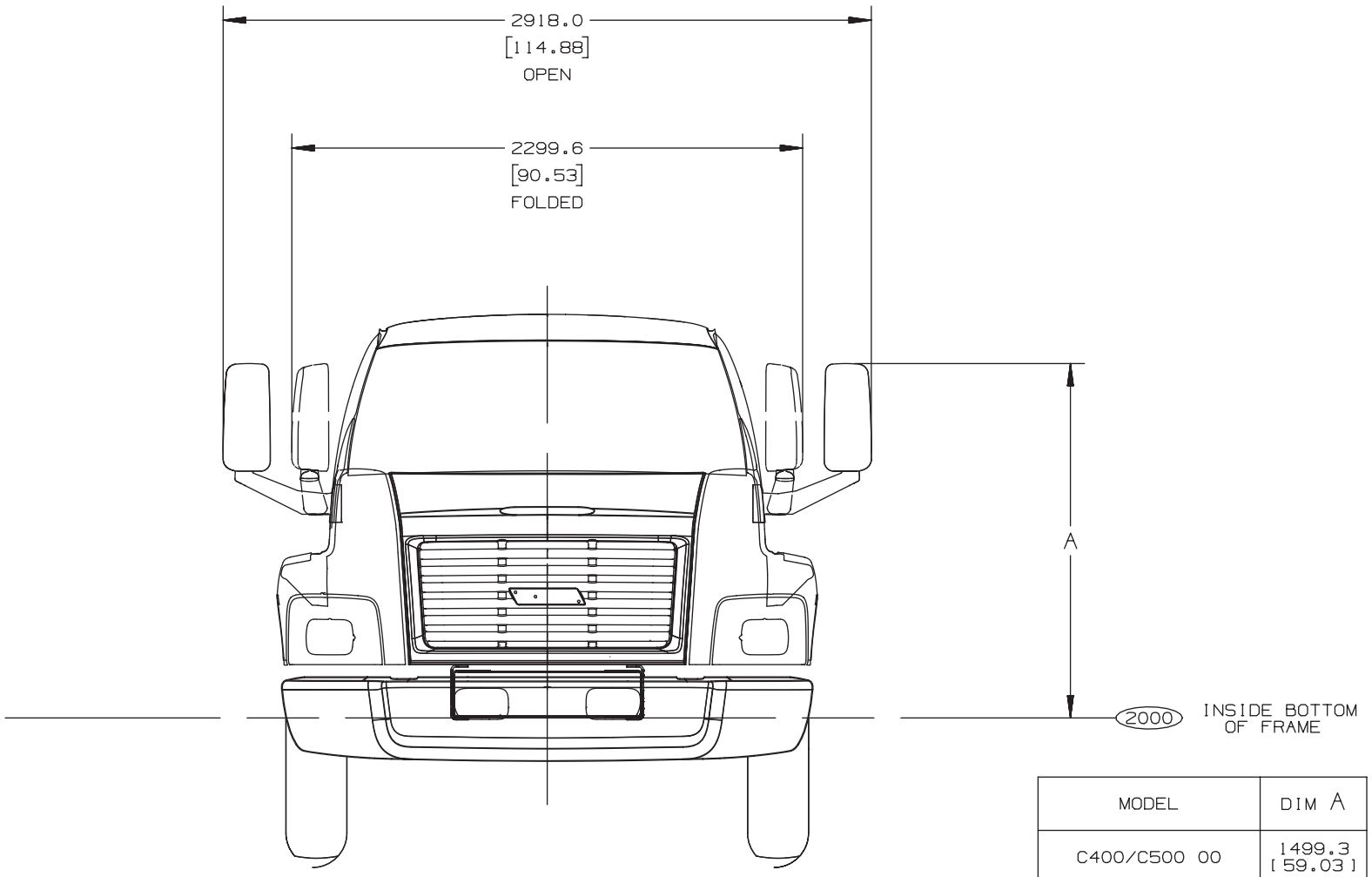



[ ]= INCHES

NOTE:
REAR DOORS ARE FOR
CREW CAB ONLY C8C064

**TD005850**

# Mirrors – Exterior



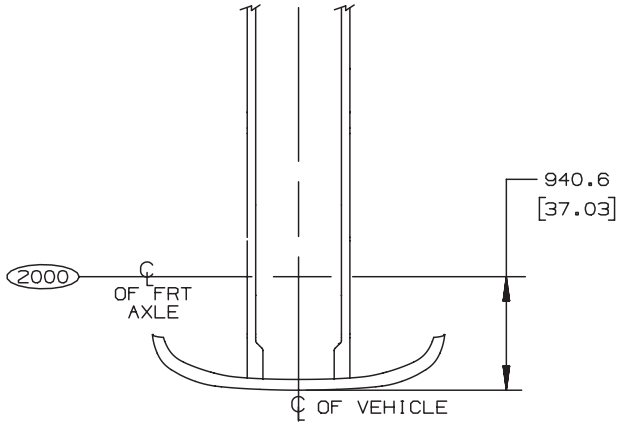

MIRROR ASM-OUTSIDE REAR VIEW
RPO DB5

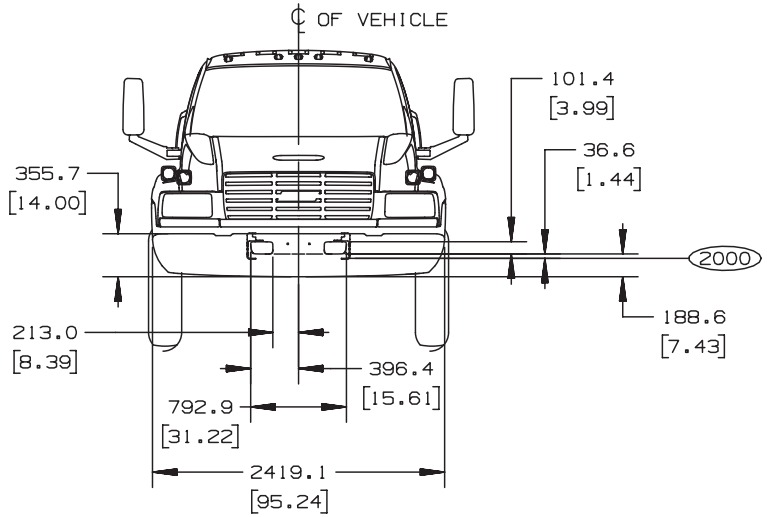
| MODEL | DIM A |
|---|---|
| C400/C500 00 | 1499.3 [59.03] |
| C600/C700/C800 00 | 1594.3 [62.77] |

[ ] = INCHES

**TD005862**

# Front Bumper




BASE - VH6: ARGENT
V46: CHROME

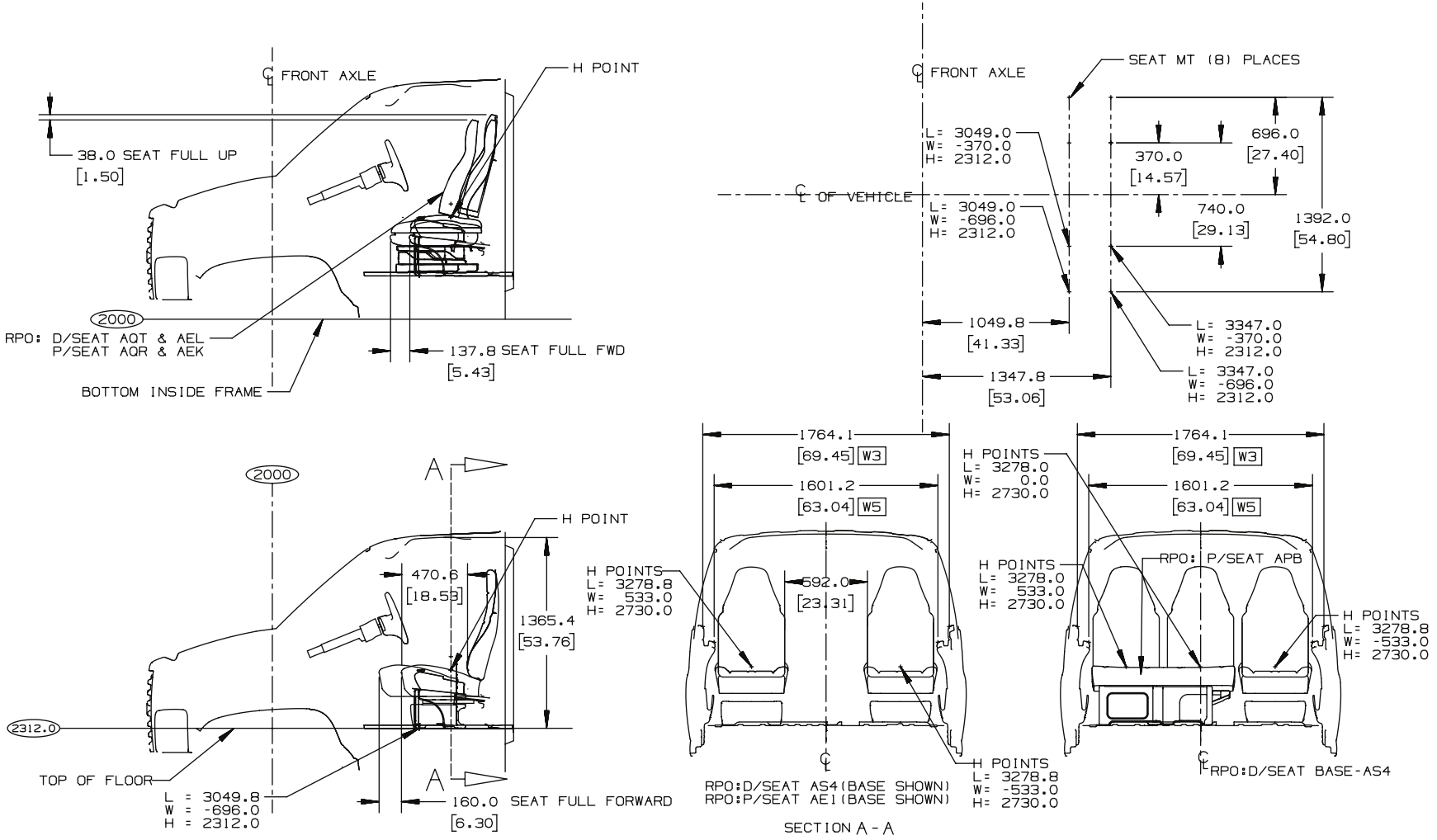
FRONT BUMPER, GMT 560, C4/5

21/JN04 NI

[ ] = INCHES

**TD005884a**

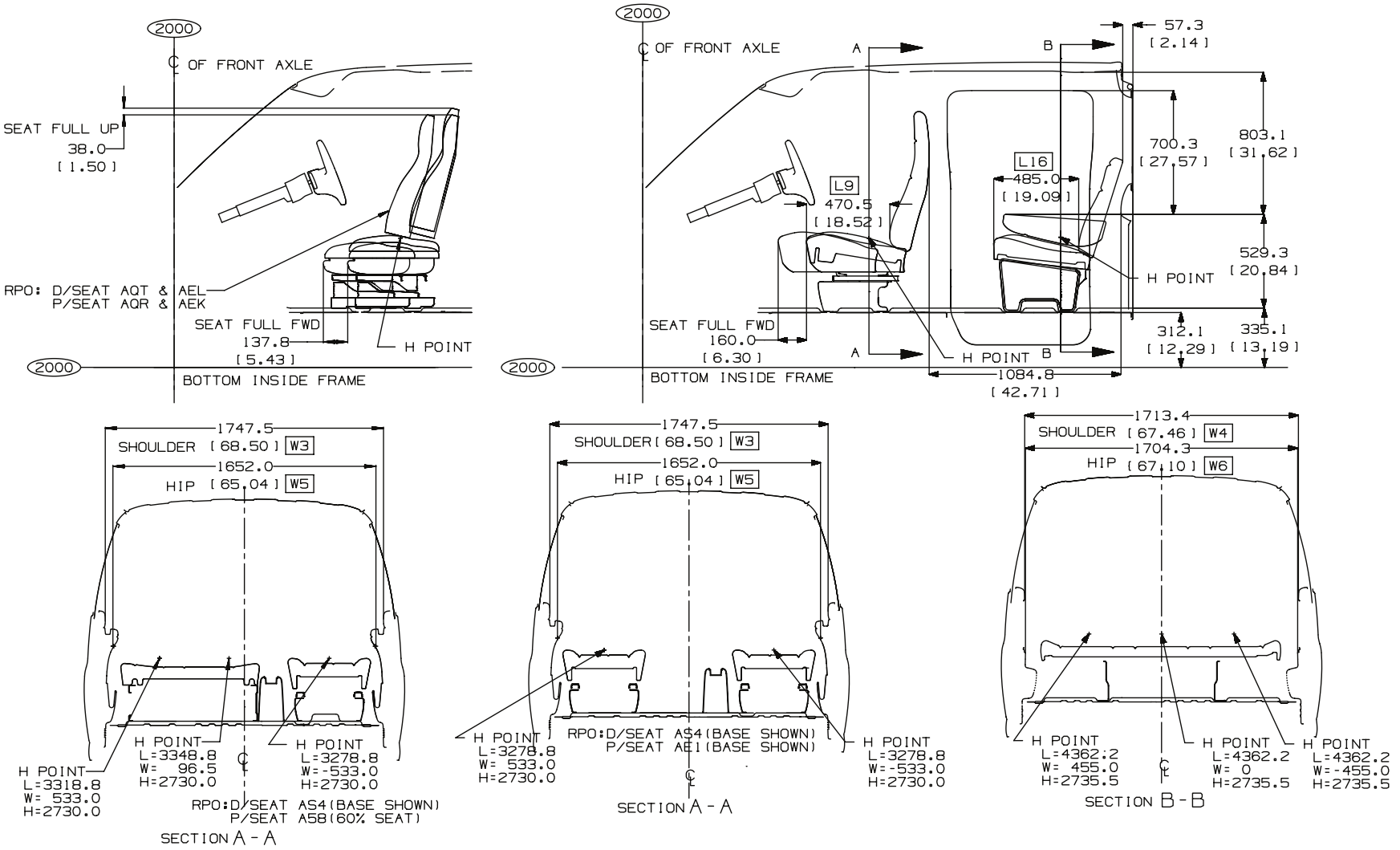
## Seating Arrangement – Regular and Cutaway Cabs




GMT560 C4/5 INTERIOR SEATING POSITION 2008 09SEP08 JF [ ] = INCHES

**TD005857.3**

## Seating Arrangement – Crew Cab



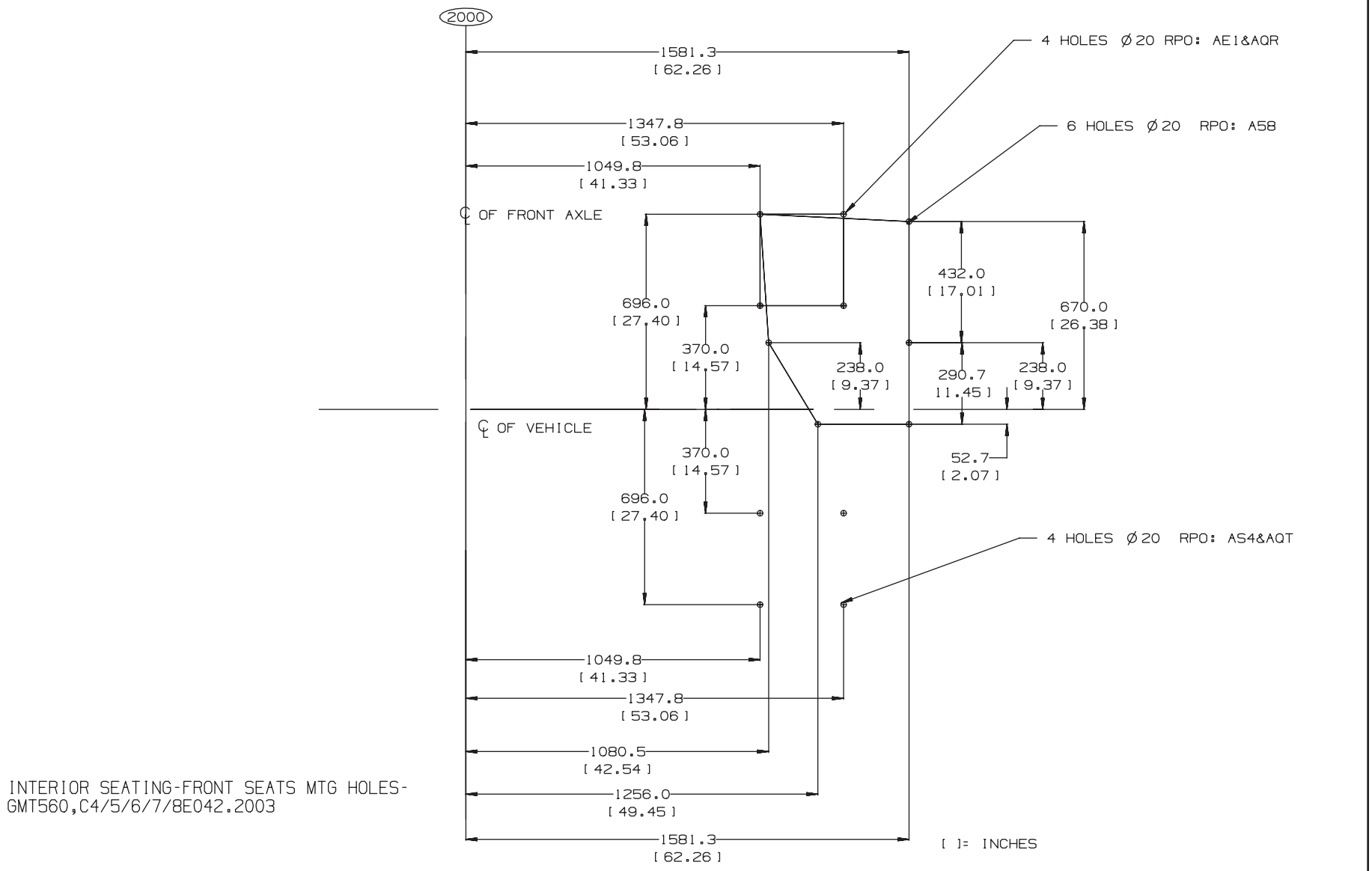

GMT560 C4/5E042 SEATING-CREW CAB 2008

05SEP08 JF

[ ]= INCHES

**TD005858.4**

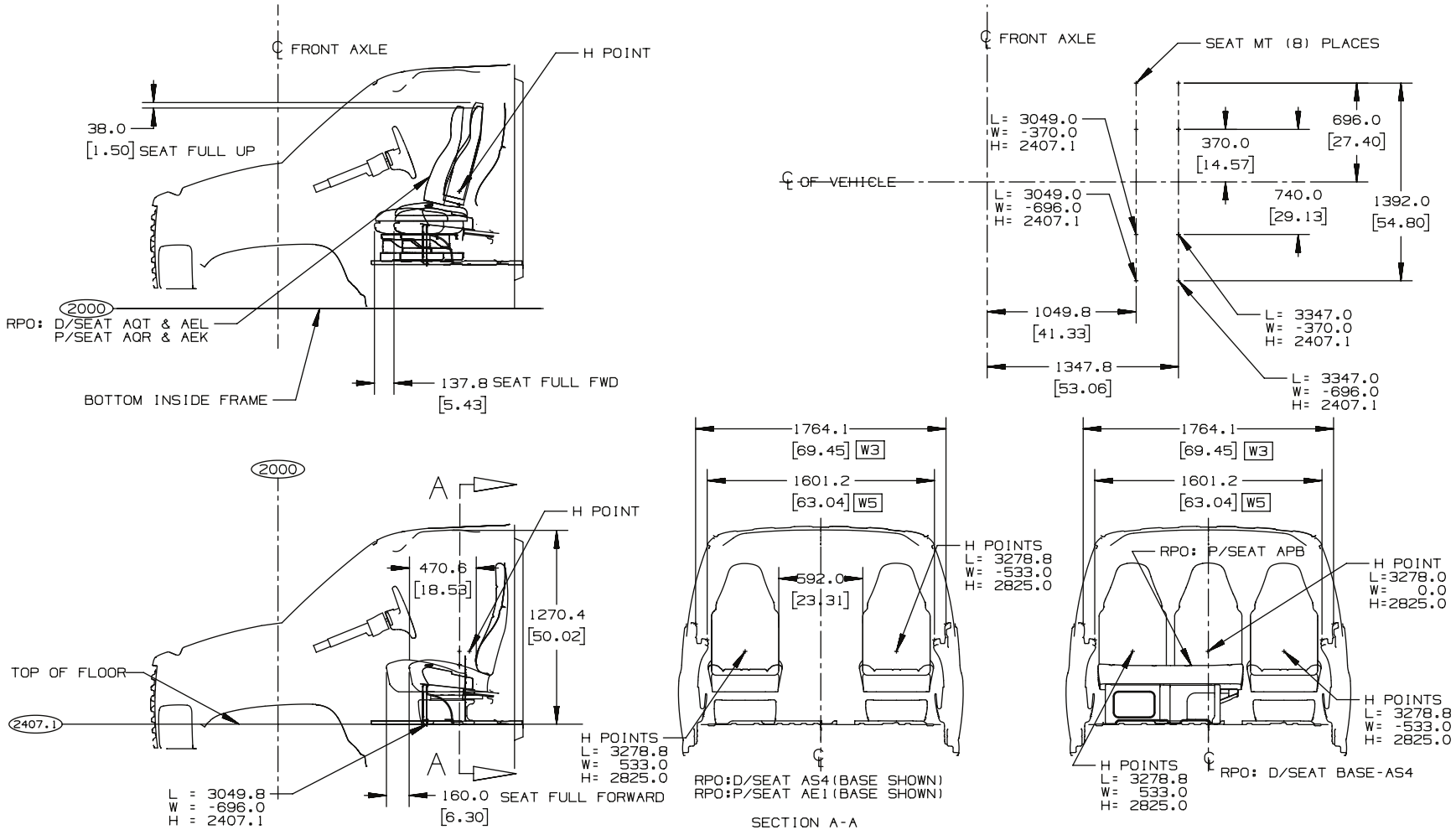
## Front Seat Pedestal, Hole Mounting Location




INTERIOR SEATING-FRONT SEATS MTG HOLES-
GMT560,C4/5/6/7/8E042.2003

**TD005858c**

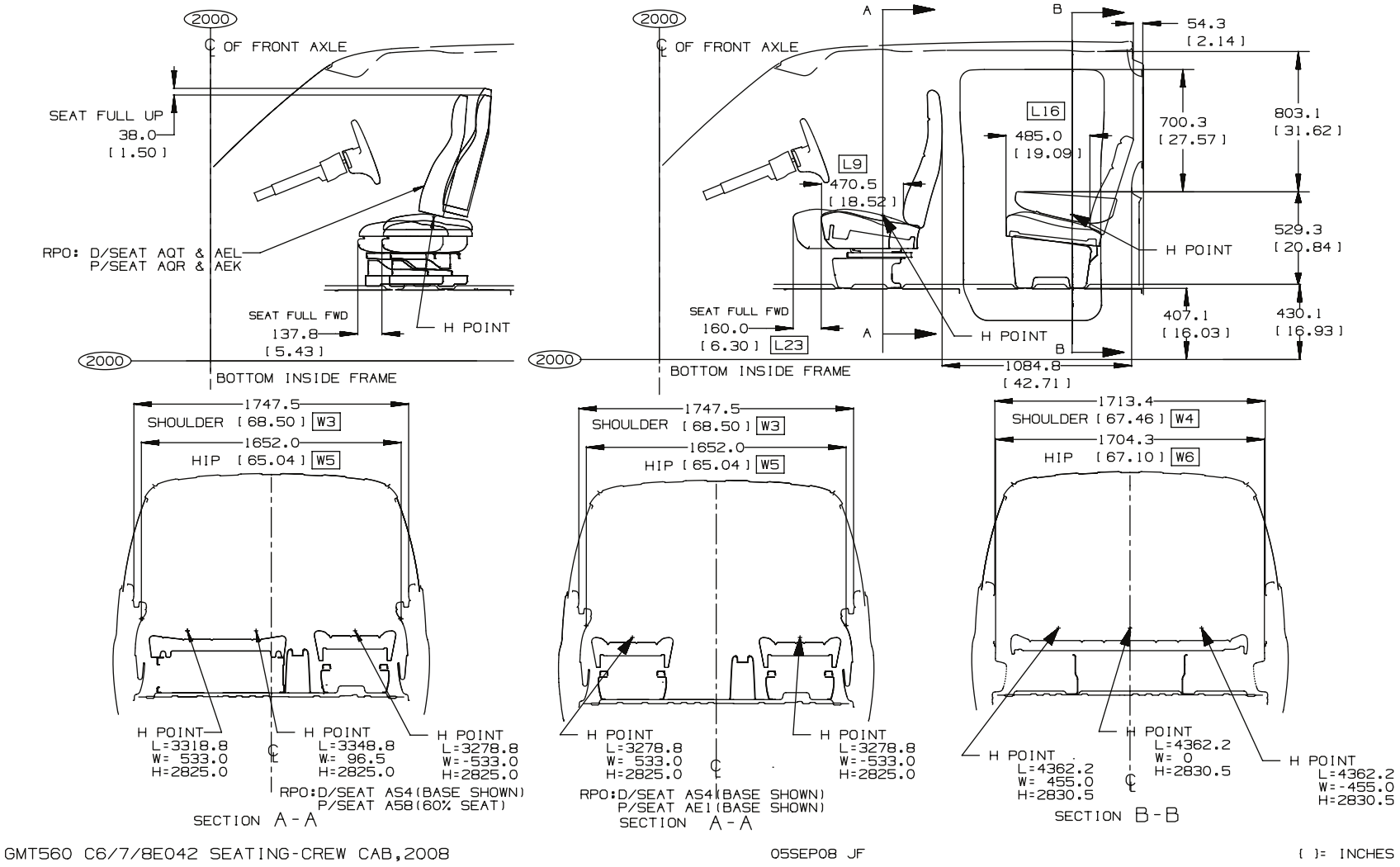
# Cutaway Rear Flange




GMT560 C6/7/8 INTERIOR SEATING POSITION 2008 09SCP08 JF [ ] = INCHES

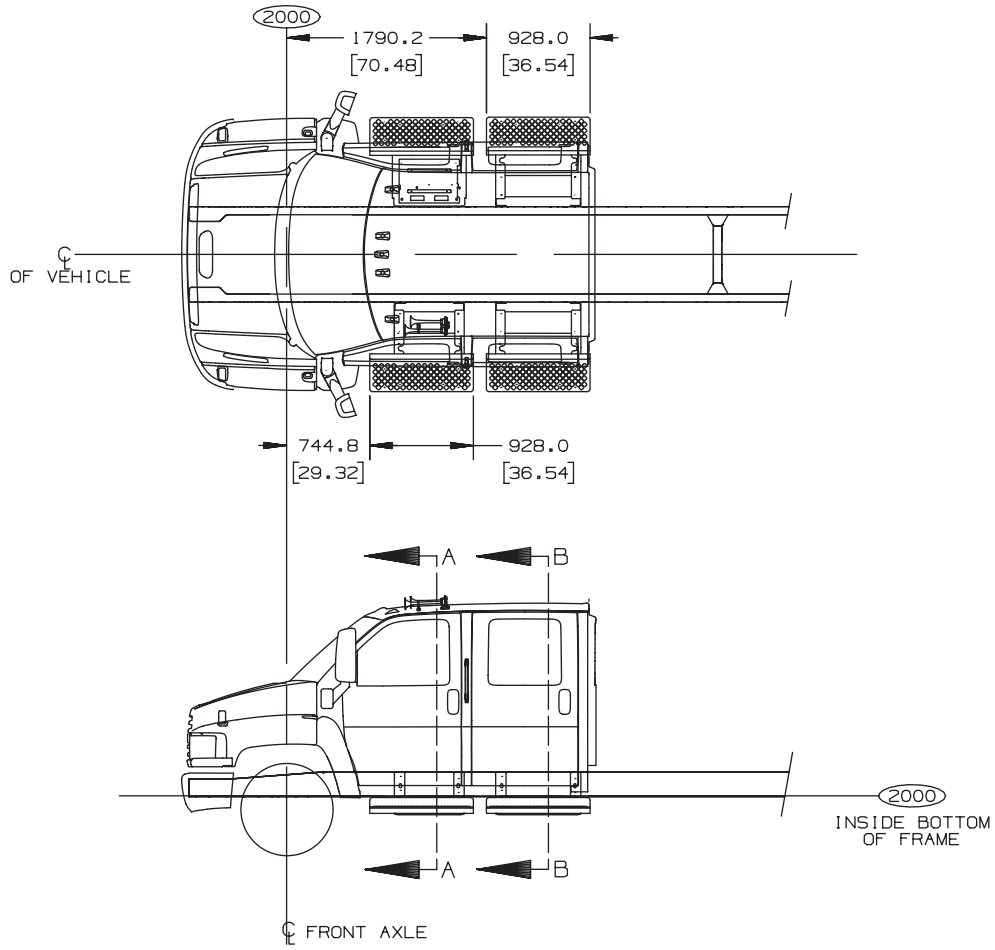
**TD005857.4**

## Cab Entry Step and Battery Box Locations – Regular and Cutaway Cabs

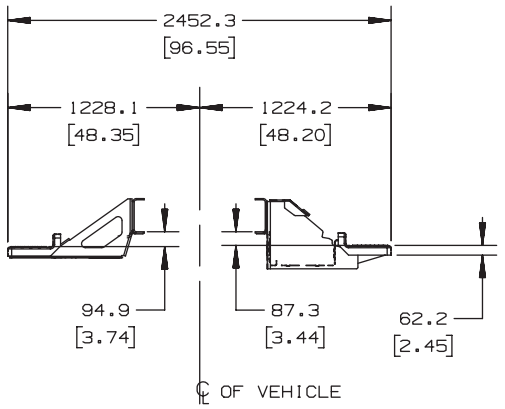



**TD005858.3**

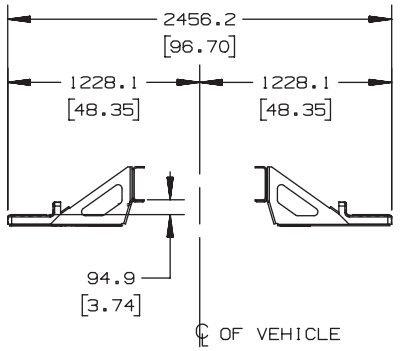
## Cab Entry Step and Battery Box Location – Crew Cab




C4E0/C5E0 00
STEP ASM. LOCATION




SECTION A - A




SECTION B - B

[ ] = INCHES

**TD005978**

## Frame Hardness Specification

- General Motors purchases hot-rolled steel for GMC side rails and reinforcements which has been slit from wide coil, de-coiled to length and pickled and oiled. The steel is then stamped, to insert the hole pattern and profile, by a compound crop and pierce tool. This blank is then formed to rail section prior to being electrophoretically painted. The hot-rolled process imparts a surface texture to the steel, which is retained in the 50 and 80k psi rails.
- As you are aware, the common principle in the “Rockwell” and “Brinell” instruments used to measure hardness is the indentation of the subject surface by a hard object. The difference between the two is that the “Rockwell” instrument utilizes a diamond pyramid, whereas the “Brinell” instrument uses a tungsten carbide ball to indent the surface; and that the “Rockwell” is used on a smooth/polished surface whereas the “Brinell” is used on a uneven surface. With the above in mind, note the data measured in Brinell Hardness Numbers (BHN).
- The 50 Ksi yield material (SAE J1392 050XF) is in the 135-170 BHN range.
- The 80 Ksi yield material (SAE J1392 080XLF) is in the 217-235 BHN range.

# Frame Materials and Properties

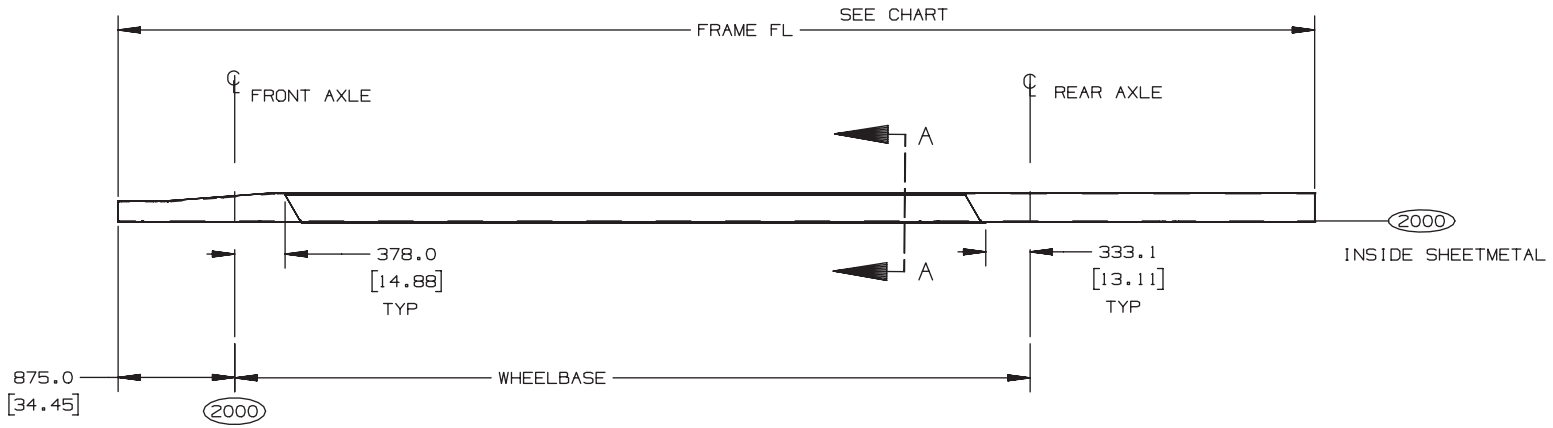
| | C4500 or C5500 Wheelbases Greater than 152" (386.1) for Regular Cab Models | C4500 & C5500 Motorhome and C4500 & C5500 Cutaway Chassis with (B3D) | C4500 & C5500 128" (325.1) & 152" (386.1) Wheelbases Models for Regular Cab Models and C4500 & C5500 Cutaway Chassis (w/o B3D) |
|---|---|---|---|
| Material Steel No. or Type | SAE J1392 (-080 XLF) | SAE J1392 (-050 XLK / XLF) | SAE J1392 (-080 XLF) |
| Material Thickness-in (mm) | 0.32 (8) | 0.24 (6) | 0.24 (6) |
| **Physical Properties:** Minimum Tensile or Ultimate Strength psi (kPa) | 95,000 (655,000) | 60,000 (413,700) | 95,000 (655,0000 |
| Minimum Yield Strength psi (kPa) | 80,000 (551,600) | 50,000 (344,700) | 80,000 (551,600) |
| Resisting Bending Moment (RBM) (Rated Yield Strength x Section Modulus) | | 50,000 x SM | 80,000 x SM |
| Section Modulus $in^3$ ($cm^3$) | 10.31 (169) | 7.63 (125) | 7.63 (317.6) |
| Rated RBM | 824,800 | 381,500 | 610,400 |
| **Optional Reinforcement RPO** | F08 | N/A | F08 (C4C/C5C only) |
| Reinforcement Type | Upright "L" | Not Offered | Upright "L" |
| Material Thickness-in (mm) | 0.24 (6) | N/A | 0.24 (6) |
| Combined Section-$in^3$ ($cm^3$) | 14.20 (232.7) | N/A | 14.1 (231.1) |
| Rated Combined RBM | 1,136,000 | N/A | 1,128,000 |

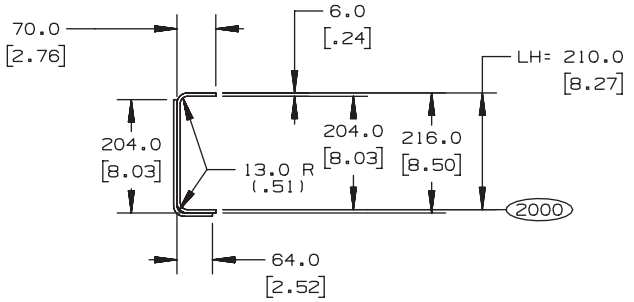
** SECTION MODULUS BASED ON Square C-Channel. Actual parts contain radius.

### *110 Heat-Treated Versus 80K HSLA*

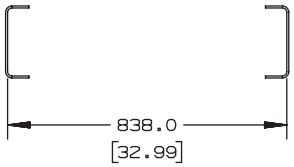
GM Truck is the only major OEM to offer 80K HSLA material on all C-Series. This offering is based on fatigue testing which shows equivalency to heat-treated steel. Frames fail in fatigue, not yield, and therefore the materials are equivalent with respect to service life.

## Frame Rail and Reinforcements Dimensions Drawing

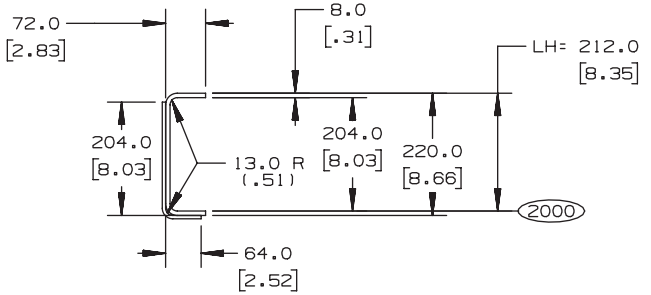



SECTION A-A
REINFORCEMENT RPO F08
WHEELBASE EG9,EC9,FQT
C4C042/C5C042,C4C044/C5C044
ALL REINFORCEMENT THICKNESSES ARE 6.0MM




INSIDE SHEETMETAL
FRAME REAR VIEW




SECTION A-A
REINFORCEMENT RPO F08
WHEELBASE EK4,EK8,EK5,FNW,
FPP,ED7,EQ4,FRP,EH8,EP5,EE4,EK6,FXA
C4C0/5C042,C4E0/5E042,C5U042,C5V042
C4/5C044,C4/C5E044

LH=REF AXLE CHART

[ ] = INCHES

06/16/04 REV

**TD005882a**

## Frame Lengths and Reinforcements Charts

| WHEELBASE | C4C042 | C4E042 | C4U042 | C4V042 | C5C042 | C5E042 | C5U042 | C5V042 | C4C044 | C4E044 | C5C044 | C5E044 | FRAME FL | FRAME THICKNESS | FRAME REINF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EC9 128 | * | | | | * | | | | | | | | 5155.0 (202.95) | 6.0 (.24) | F08 |
| FQT 140 | | | | | * | | | | | | | | 6300.0 (248.03) | 6.0 (.24) | F08 |
| EG9 152 | * | | | * | * | | | | * | | * | | 6300.0 (248.03) | 6.0 (.24) | F08 |
| EC1 165.5 | | | | * | | | | * | | | | | 6875.0 (270.67) | 6.0 (.24) | ——— |
| EC1 165.5 | | | * | | | | * | | | | | | 7210.0 (283.86) | 6.0 (.24) | ——— |
| FPP 169 | | * | | | | * | | | | * | | * | 6735.0 (265.16) | 8.0 (.31) | F08 |
| EH8 170 | | | | | * | | | | | | | | 6960.0 (274.02) | 8.0 (.31) | F08 |
| FNW 176 | * | | | | * | | | | * | | * | | 7115.0 (280.12) | 8.0 (.31) | F08 |
| EC2 183.5 | | | | * | | | | * | | | | | 7665.0 (301.77) | 6.0 (.24) | F08 |
| EC2 183.5 | | | * | | | | * | | | | | | 8085.0 (318.31) | 6.0 (.24) | F08 |
| EK8 188 | * | | | | * | | | | * | | * | | 7785.0 (306.50) | 8.0 (.31) | F08 |
| EK4 194 | | * | | | | * | | | | * | | * | 7370.0 (290.16) | 8.0 (.31) | F08 |
| EK4 194 | | | | | * | | | | | | * | | 7935.0‡ (312.40) | 8.0 (.31) | F08 |
| EC3 195.5 | | | | * | | | | * | | | | | 7970.0 (313.78) | 6.0 (.24) | F08 |
| EC3 195.5 | | | | | | | * | | | | | | 8785.0 (345.87) | 6.0 (.24) | F08 |
| EK5 206 | | | | | * | | | | | | | | 8240.0 (324.41) | 8.0 (.31) | F08 |
| EL5 212 | | | | | * | | | | | | | | 8395.0 (330.51) | 8.0 (.31) | F08 |
| EC4 213.5 | | | | | | | * | | | | | | 9245.0 (363.98) | 6.0 (.24) | F08 |
| ED7 217 | | * | | | | * | | | | * | | * | 8520.0 (335.43) | 8.0 (.31) | F08 |

| WHEELBASE | C4C042 | C4E042 | C4U042 | C4V042 | C5C042 | C5E042 | C5U042 | C5V042 | C4C044 | C4E044 | C5C044 | C5E044 | FRAME FL | FRAME THICKNESS | FRAME REINF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP5 221.5 | | | | | | | * | | | | | | 8634.0 (339.92) | 8.0 (.31) | F08 |
| EP5 221.5 | | | | | | * | | | | | | | 9750.0 (383.86) | 8.0 (.31) | F08 |
| EK6 224 | | | | * | | | | | | | | | 8697.0 (342.40) | 8.0 (.31) | F08 |
| EQ4 229 | | * | | | | * | | | | * | | * | 8825.0 (347.44) | 8.0 (.31) | F08 |
| EQ8 233 | | | | | | | * | | | | | | 8925.0 (351.38) | 6.0 (.24) | ——— |
| EQ8 233 | | | | | | * | | | | | | | 10155.0 (399.80) | 6.0 (.24) | ——— |
| FRP 235 | | | | | * | | | | | | | * | 8980.0 (353.54) | 8.0 (.31) | F08 |
| FXA 239 | | | | | | * | | | | | | | 9820.0 (386.61) | 8.0 (.31) | ——— |
| EE4 254 | | | | * | | | | | | | | | 9680.0 (381.10) | 8.0 (.31) | F08 |

[ ] = INCHES

06/16/04 REV

**TD005882b**

## *Frame Lengths and Reinforcements Charts*

| WHEELBASE | C4C042 | C4E042 | C4U042 | C4V042 | C5C042 | C5E042 | C5U042 | C5V042 | FRAME FL | FRAME THICKNESS | FRAME REINF | RPO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EC1 165.5 | | | | * | | | | * | 7330.0 (288.58) | 6.0 (.24) | ——— | ANC/B3D |
| EC2 183.5 | | | | * | | | | * | 7785.0 (306.49) | 6.0 (.24) | ——— | ANC/B3D |
| EC3 195.5 | | | | | | | | * | 8090.0 (318.50) | 6.0 (.24) | ——— | ANC/B3D |
| EC4 213.5 | | | | | | | | * | 8550.0 (336.61) | 6.0 (.24) | ——— | ANC |
| EC4 213.5 | | | | | | | | * | 9205.0 (362.40) | 6.0 (.24) | ——— | ANC |
| EQE 220 | | | | | | | | * | 9165.0 (360.83) | 8.0 (.31) | F08 | ANC/B3D |
| EQ8 233 | | | | | | | | * | 9495.0 (373.82) | 8.0 (.31) | F08 | ANC/B3D |
| EQ1 246 | | | | | | | | * | 9825.0 (386.81) | 8.0 (.31) | F08 | ANC/B3D |
| ET7 259 | | | | | | | | * | 10155.0 (399.80) | 8.0 (.31) | F08 | ANC/B3D |

* 40 GALLON FUEL TANK

* 60 GALLON FUEL TANK

ANC= SHUTTLE BUS

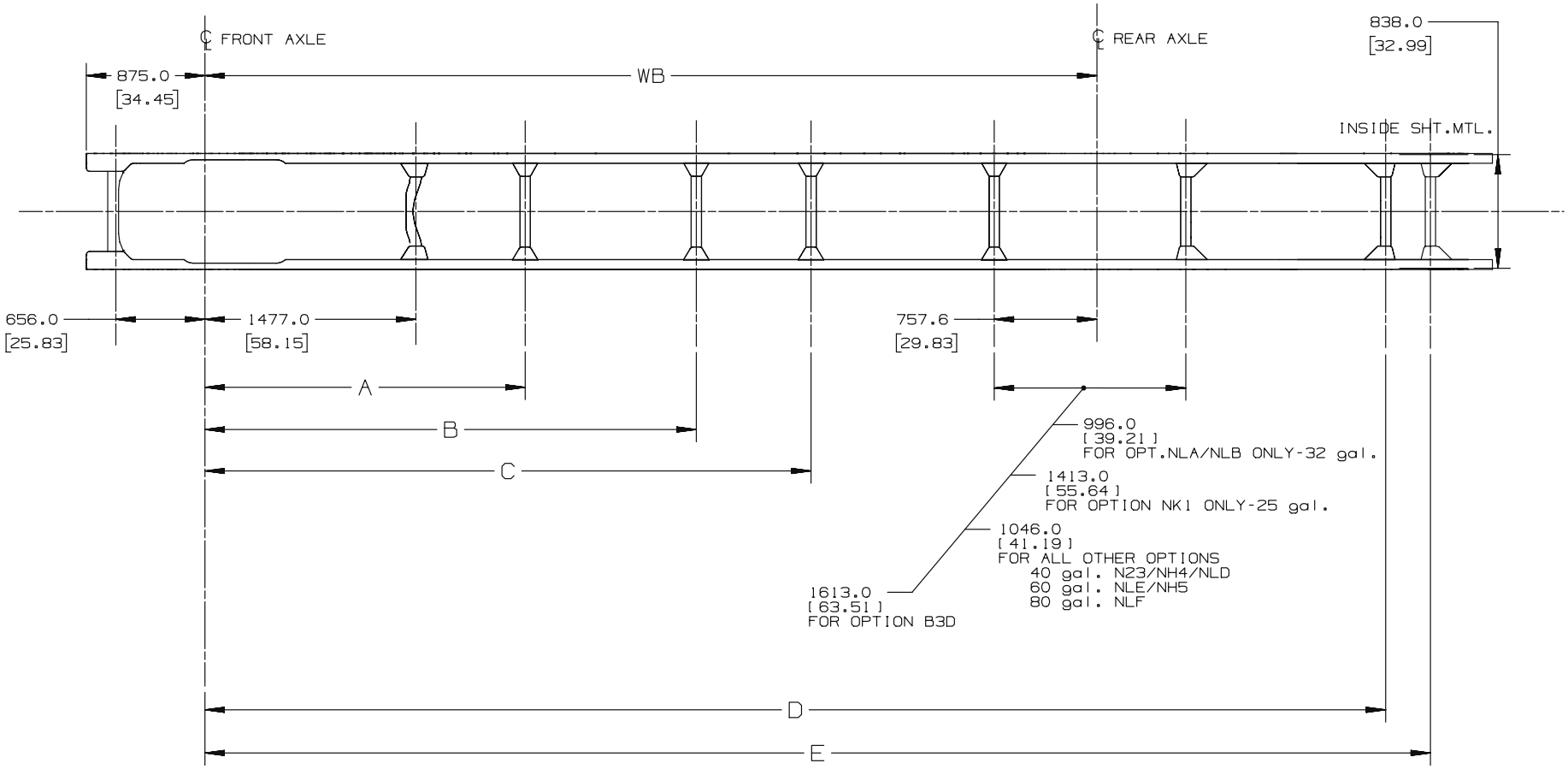
B3D= SCHOOL BUS

[ ]= INCHES

06/16/04 REV

**TD005882c**

# Frame Rail and Crossmember Location Drawing – (042)




GMT560,FRAME & CROSSMEMBER INSTALLATION

GMC/01DEC06

[ ] = INCHES

**TD005864a**

## *Frame Rail and Crossmember Location Chart – (042)*

C4/5C042-C4/5E042-C4/5U042-C4/5V042 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART

| MODEL | W/B | DIM A | DIM B | DIM C | DIM D (N23/NH4) | DIM D (NG6) | DIM D (NK1) | DIM D (NN4/NH5) | DIM D (NJ9) | DIM D (NLA) | DIM E (NG6) | DIM E (N23/NH4) | DIM E (NN4/NH5) | DIM E (NJ9) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C4C/C5C042 | EC9 3251.2 [128.00] | ——— | ——— | ——— | ——— | 4027.0 [158.53] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C5C042 | FQT 3556.0 [140.00] | 1827.0 [71.93] | ——— | ——— | 4868.0 [191.65] | 4331.0 [170.51] | ——— | ——— | ——— | 4668.0 [183.78] | 4925.0 [193.90] | ——— | ——— | ——— |
| C4C/C5C042 | EG9 3860.8 [152.00] | 1827.0 [71.93] | ——— | ——— | 5173.0 [203.66] | 4636.0 [182.52] | ——— | ——— | ——— | 4973.0 [195.79] | ——— | ——— | ——— | ——— |
| C4C/C5C042(FSQ) | EG9 3860.8 [152.00] | 1827.0 [71.93] | ——— | ——— | 5173.0 [203.66] | ——— | ——— | ——— | ——— | ——— | ——— | 5740.0 [225.98] | ——— | ——— |
| C4U/C5U042 | EC1 4203.7 [165.50] | 2095.0 [82.48] | ——— | ——— | ——— | ——— | ——— | 5966.0 [234.88] | ——— | ——— | ——— | ——— | ——— | ——— |
| C4V/C5V042 | EC1 4203.7 [165.50] | 2095.0 [82.48] | ——— | ——— | 5516.0 [217.16] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C4E/C5E042 | FPP 4292.6 [169.00] | 2184.0 [85.98] | 2592.5 [102.07] | ——— | 5605.0 [220.67] | 5068.0 [199.53] | 5477.0 [215.63] | ——— | ——— | 5405.0 [212.80] | 5477.0 [215.63] | ——— | ——— | ——— |
| C5C042 | EH8 4318.0 [170.00] | 2362.0 [92.99] | ——— | ——— | 5630.0 [221.65] | ——— | ——— | ——— | ——— | 5430.0 [213.78] | ——— | ——— | ——— | ——— |
| C4C/C5C042 | FNW 4470.4 [176.00] | 2362.0 [92.99] | ——— | ——— | 5783.0 [227.68] | 5246.0 [206.54] | 5663.0 [222.95] | ——— | ——— | 5583.0 [219.80] | 5663.0 [222.95] | ——— | ——— | ——— |
| C4U/C5U042 | EC2 4660.9 [183.50] | 1827.0 [71.93] | 2552.0 [100.47] | ——— | ——— | ——— | ——— | 6423.0 [252.87] | 6873.0 [270.59] | ——— | ——— | ——— | ——— | ——— |
| C4V/C5V042 | EC2 4660.9 [183.50] | 1827.0 [71.93] | 2552.0 [100.47] | ——— | 5973.0 [235.18] | ——— | ——— | 6423.0 [252.87] | ——— | ——— | ——— | ——— | ——— | ——— |
| C4C/C5C042 | EK8 4775.2 [188.00] | 1827.0 [71.93] | 2667.0 [105.00] | ——— | 6088.0 [239.69] | 5551.0 [218.54] | 6418.0 [252.68] | 6538.0 [257.40] | ——— | 5888.0 [231.81] | 6418.0 [252.68] | ——— | ——— | ——— |
| C5C042 | EK4 4927.6 [194.00] | 1827.0 [71.93] | 2819.0 [110.98] | ——— | 6240.0 [245.67] | 5703.0 [224.53] | 6570.0 [258.66] | 6690.0 [263.39] | ——— | 6040.0 [237.80] | 6570.0 [258.66] | ——— | ——— | ——— |
| C4E/C5E042 | EK4 4927.6 [194.00] | 1827.0 [71.93] | 2520.5 [99.23] | 2894.0 [113.93] | 6240.0 [245.67] | 5703.0 [224.53] | 6112.0 [240.63] | ——— | ——— | 6240.0 [237.80] | 6112.0 [240.63] | ——— | ——— | ——— |
| C5U042 | EC3 4965.7 [195.50] | 1827.0 [71.93] | 2857.0 [112.48] | ——— | ——— | ——— | ——— | 6728.0 [284.88] | 7178.0 [282.60] | ——— | ——— | ——— | 7441.0 [292.85] | ——— |
| C5V042 | EC3 4965.7 [195.50] | 1827.0 [71.93] | 2857.0 [112.48] | ——— | 6278.0 [247.18] | ——— | ——— | 6728.0 [264.88] | ——— | ——— | ——— | ——— | ——— | ——— |
| C5C042 | EK5 5232.4 [206.00] | 1827.0 [71.93] | 3124.0 [122.99] | ——— | 6545.0 [257.68] | 6008.0 [236.54] | 6875.0 [270.67] | 6995.0 [275.39] | ——— | 6345.0 [249.80] | 6875.0 [270.67] | ——— | ——— | ——— |
| C5C/C5V042 | EL5 5384.8 [212.00] | 2362.0 [92.99] | 3276.0 [128.98] | ——— | ——— | 6160.0 [242.52] | ——— | ——— | ——— | ——— | 7027.0 [276.65] | ——— | ——— | ——— |
| C5U042 | EC4 5422.9 [213.50] | 1827.0 [71.93] | 3314.0 [130.47] | ——— | ——— | ——— | ——— | 7185.0 [282.87] | 7635.0 [300.59] | ——— | ——— | ——— | 7898.0 [310.94] | ——— |
| C4E/C5E042 | ED7 5511.8 [217.00] | 2362.0 [92.99] | 2520.5 [99.23] | 3403.0 [133.98] | 6824.0 [268.66] | 6287.0 [247.52] | 7154.0 [281.65] | 7274.0 [286.38] | ——— | 6624.0 [260.79] | 7154.0 [281.65] | ——— | ——— | ——— |
| C5V042 | EP5 5626.1 [221.5] | 2362.0 [92.99] | 3518.0 [138.50] | ——— | 6939.0 [273.19] | ——— | ——— | 7389.0 [290.91] | ——— | ——— | ——— | ——— | ——— | ——— |
| C5U042 | EP5 5626.1 [221.5] | 2362.0 [92.99] | 3518.0 [138.50] | ——— | ——— | ——— | ——— | 7389.0 [290.91] | 7839.0 [308.62] | ——— | ——— | ——— | 8375.0 [329.72] | 8375.0 [329.72] |
| C5C042 | EK6 5689.6 [224.00] | 2362.0 [92.99] | 3581.0 [140.98] | ——— | 7002.0 [275.67] | 6465.0 [254.53] | 7332.0 [288.66] | 7452.0 [293.39] | ——— | 6802.0 [267.80] | 7332.0 [288.66] | ——— | ——— | ——— |
| C4E/C5E042 | EQ4 5816.6 [229.00] | 2362.0 [92.99] | 2520.5 [99.23] | 3708.0 [145.98] | 7129.0 [280.67] | 6592.0 [259.53] | 7459.0 [293.66] | 7579.0 [298.38] | ——— | 6929.0 [272.80] | 7459.0 [293.66] | ——— | ——— | ——— |
| C5E042 | FRP 5969.0 [235.00] | 2362.0 [92.99] | 2520.5 [99.23] | 3860.0 [151.97] | 7281.0 [288.65] | 6744.0 [265.51] | 7611.0 [299.64] | 7731.0 [304.37] | ——— | 7081.0 [278.78] | 7611.0 [299.64] | ——— | ——— | ——— |

GMT560,FRAME & CROSSMEMBER INSTALLATION

[ ]= INCHES

**TD005864.4**

# Frame Rail and Crossmember Location Chart – (042)

C4/5C042-C4/5E042-C4/5U042-C4/5V042 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART

| MODEL | W/B | DIM A | DIM B | DIM C | DIM D (N23/NH4) | DIM D(NG6) | DIM D(N21) | DIM D (NN4/NH5) | DIM D(NJ9) | DIM D(NLA) | DIM E (N23/NH4) | DIM E(NG6) | DIM E(NJ9) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5U042 | EQ8 5918.2 [ 233.00 ] | 2386.0 [ 93.94 ] | 3086.0 [ 121.50 ] | 3810.0 [ 150.00 ] | ——— | ——— | ——— | ——— | 8131.0 [ 320.12 ] | ——— | ——— | ——— | 8623.0 [ 339.49 ] |
| C5V042 | EQ8 5918.2 [ 233.00 ] | 2286.0 [ 90.00 ] | 3086.0 [ 121.50 ] | ——— | 7231.0 [ 284.69 ] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C5V042 | EQ8 5918.2 [ 233.00 ] | 2386.0 [ 93.94 ] | 3086.0 [ 121.50 ] | 3810.0 [ 150.00 ] | ——— | ——— | ——— | 7681.0 [ 302.40 ] | ——— | ——— | ——— | ——— | ——— |
| C5C042 | EE4 6451.6 [ 254.00 ] | 2362.0 [ 92.99 ] | 3352.5 [ 131.99 ] | 4343.0 [ 170.98 ] | 7764.0 [ 305.67 ] | ——— | 8479.5 [ 333.84 ] | ——— | ——— | 7564.0 [ 297.80 ] | 8340.0 [ 328.35 ] | ——— | ——— |
| C5V042(&B3D/ANC) | EC1 4203.7 [ 165.50 ] | 2095.0 [ 82.48 ] | ——— | ——— | 6083.0 [ 239.48 ] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | EC2 4660.9 [ 183.50 ] | 1827.0 [ 71.93 ] | 2552.0 [ 100.50 ] | ——— | 6540.0 [ 257.50 ] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | EC3 4965.7 [ 195.5 ] | 1827.0 [ 71.93 ] | 2857.0 [ 112.50 ] | ——— | 6845.0 [ 269.50 ] | ——— | ——— | ——— | ——— | ——— | ——— | ——— | ——— |
| C5V042(&ANC) | EC4 5422.9 [ 213.5 ] | 1827.0 [ 71.93 ] | 3314.0 [ 130.47 ] | ——— | 7302.0 [ 287.50 ] | ——— | ——— | 7752.0 [ 305.49 ] | ——— | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | EQE 5588.0 [ 220.00 ] | 2386.0 [ 93.94 ] | 3479.0 [ 136.97 ] | ——— | 7467.0 [ 293.98 ] | ——— | ——— | 7917.0 [ 311.69 ] | ——— | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | EQ8 5918.2 [ 233.00 ] | 2386.0 [ 93.94 ] | 3086.0 [ 121.50 ] | 3810.0 [ 150.00 ] | 7798.0 [ 307.01 ] | ——— | ——— | 8248.0 [ 324.72 ] | ——— | ——— | ——— | ——— | ——— |
| C5U042 | FXA 6070.6 [ 239.00 ] | 2362.0 [ 93.00 ] | 3162.0 [ 124.50 ] | 3962.0 [ 156.00 ] | ——— | ——— | ——— | ——— | 8283.0 [ 326.10 ] | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | EQ1 6248.4 [ 246.00 ] | 2386.0 [ 93.94 ] | 3201.0 [ 126.02 ] | 4140.0 [ 162.99 ] | 8128.0 [ 320.00 ] | ——— | ——— | 8578.0 [ 337.71 ] | ——— | ——— | ——— | ——— | ——— |
| C5V042(&B3D/ANC) | ET7 6578.6 [ 259.00 ] | 2386.0 [ 93.94 ] | 3531.0 [ 139.01 ] | 4470.0 [ 175.98 ] | 8458.0 [ 333.99 ] | ——— | ——— | 8908.0 [ 350.71 ] | ——— | ——— | ——— | ——— | ——— |

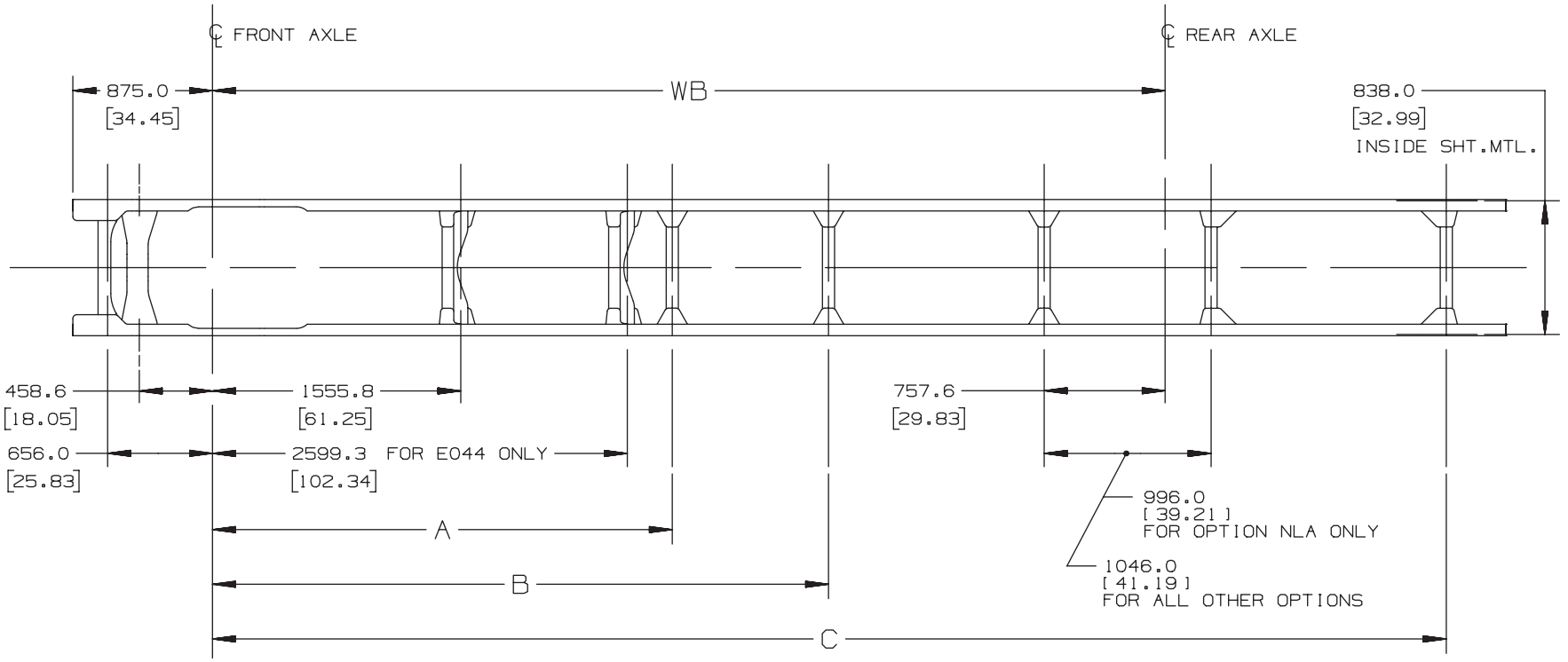
ANC=SALES PACKAGE SHUTTLE BUS
B3D=EQUIPMENT SCHOOL BUS
N23=FUEL TANK 151L(40 GAL)
NH4=FUEL TANK 151L(40 GAL)
NN4=FUEL TANK 227L(60 GAL)
NH5=FUEL TANK 227L(60 GAL)
NG6=FUEL TANK COMBINATION 25 GAL&15 GAL
NJ9=FUEL TANK 304L(80 GAL) LH or RH FILL
N21=FUEL TANK 227L(60 GAL) LOW PROFILE,RH
NK1=FUEL TANK 90L(25 GAL),PLASTIC
NLA=FUEL TANK 121L(32 GAL)
FSQ=EXTENSION FRAME ,CE=4521.20[ 178" ],RR

GMT560,FRAME & CROSSMEMBER INSTALLATION

[ ]= INCHES

**TD005864.5**

# Frame Rail and Crossmember Location Drawing – (044)




NJ2=FUEL TANK TEMPORARY
NLA=FUEL TANK 121L (32 GAL)
N23=FUEL TANK 151L (40 GAL)
NN4=FUEL TANK 227L (60 GAL)

GMT560, FRAME & CROSSMEMBER INSTALLATION JA/06AP04 [ ] = INCHES

**TD005864d**

# Frame Rail and Crossmember Location Chart – (044)

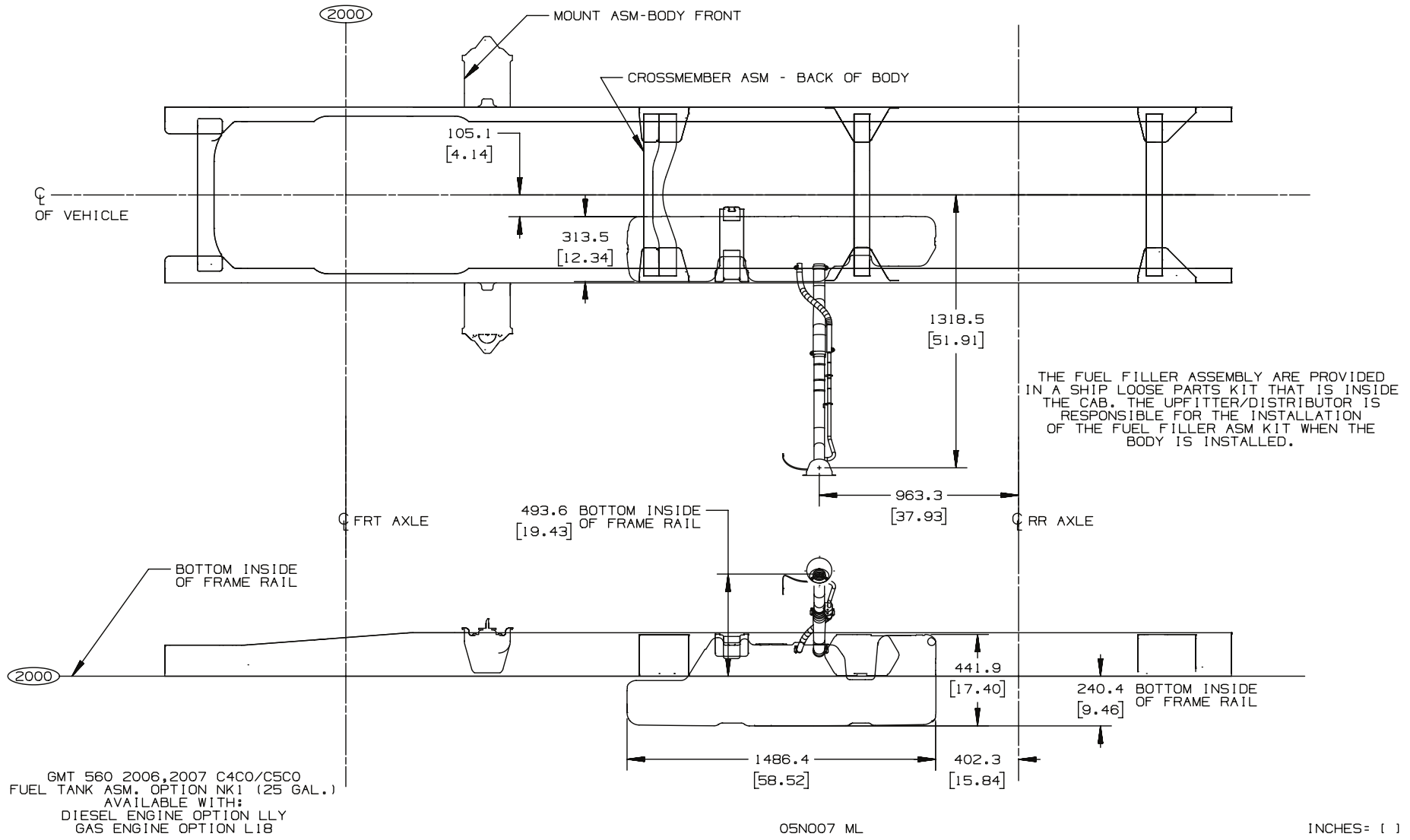
| C4/5C044-C4/5E044 SINGLE AXLE CROSSMEMBER ARRANGEMENT CHART | | | | | | |
|---|---|---|---|---|---|---|
| MODEL | W/B | DIM A | DIM B | DIM C (NJ2/N23) | DIM C (NN4) | DIM C (NLA) |
| C4C/C5C044 | EG9 3860.8 [ 152.00 ] | _____ | _____ | 5173.0 [ 203.66 ] | _____ | 4973.0 [ 195.79 ] |
| | FNW 4470.4 [ 176.00 ] | 2854.0 [ 112.36 ] | _____ | 5783.0 [ 227.68 ] | _____ | 5583.0 [ 219.80 ] |
| | EK8 4775.2 [ 188.00 ] | 2920.0 [ 114.96 ] | _____ | 6088.0 [ 239.69 ] | _____ | 5888.0 [ 231.81 ] |
| | EK8 4775.2 [ 188.00 ] | 2920.0 [ 114.96 ] | _____ | _____ | 6538.0 [ 257.40 ] | _____ |
| | EK4 4927.6 [ 194.00 ] | 3072.0 [ 120.94 ] | _____ | 6240.0 [ 245.67 ] | _____ | 6040.0 [ 237.80 ] |
| | EK4 4927.6 [ 194.00 ] | 3072.0 [ 120.94 ] | _____ | _____ | 6690.0 [ 263.39 ] | _____ |
| C4E/C5E044 | EK4 4927.6 [ 194.00 ] | 3072.0 [ 120.94 ] | _____ | 6240.0 [ 245.67 ] | _____ | 6040.0 [ 237.80 ] |
| | ED7 5511.8 [ 217.00 ] | 3403.0 [ 133.98 ] | _____ | 6824.0 [ 268.66 ] | _____ | 6624.0 [ 260.79 ] |
| | ED7 5511.8 [ 217.00 ] | 3403.0 [ 133.98 ] | _____ | _____ | 7274.0 [ 286.38 ] | _____ |
| | EQ4 5816.6 [ 229.00 ] | 2881.0 [ 113.43 ] | 3708.0 [ 145.98 ] | 7129.0 [ 280.67 ] | _____ | 6929.0 [ 272.8 ] |
| | EQ4 5816.6 [ 229.00 ] | 2881.0 [ 113.43 ] | 3708.0 [ 145.98 ] | _____ | 7579.0 [ 298.39 ] | _____ |
| | FRP 5969.0 [ 235.00 ] | 2881.0 [ 113.43 ] | 3860.0 [ 151.97 ] | 7281.0 [ 286.65 ] | _____ | 7081.0 [ 278.78 ] |
| | FRP 5969.0 [ 235.00 ] | 2881.0 [ 113.43 ] | 3860.0 [ 151.97 ] | _____ | 7731.0 [ 304.37 ] | _____ |

NJ2=FUEL TANK TEMPORARY
NLA=FUEL TANK 121L (32 GAL)
N23=FUEL TANK 151L (40 GAL)
NN4=FUEL TANK 227L (60 GAL)

GMT560, FRAME & CROSSMEMBER INSTALLATION EM/17MR04 [ ] = INCHES

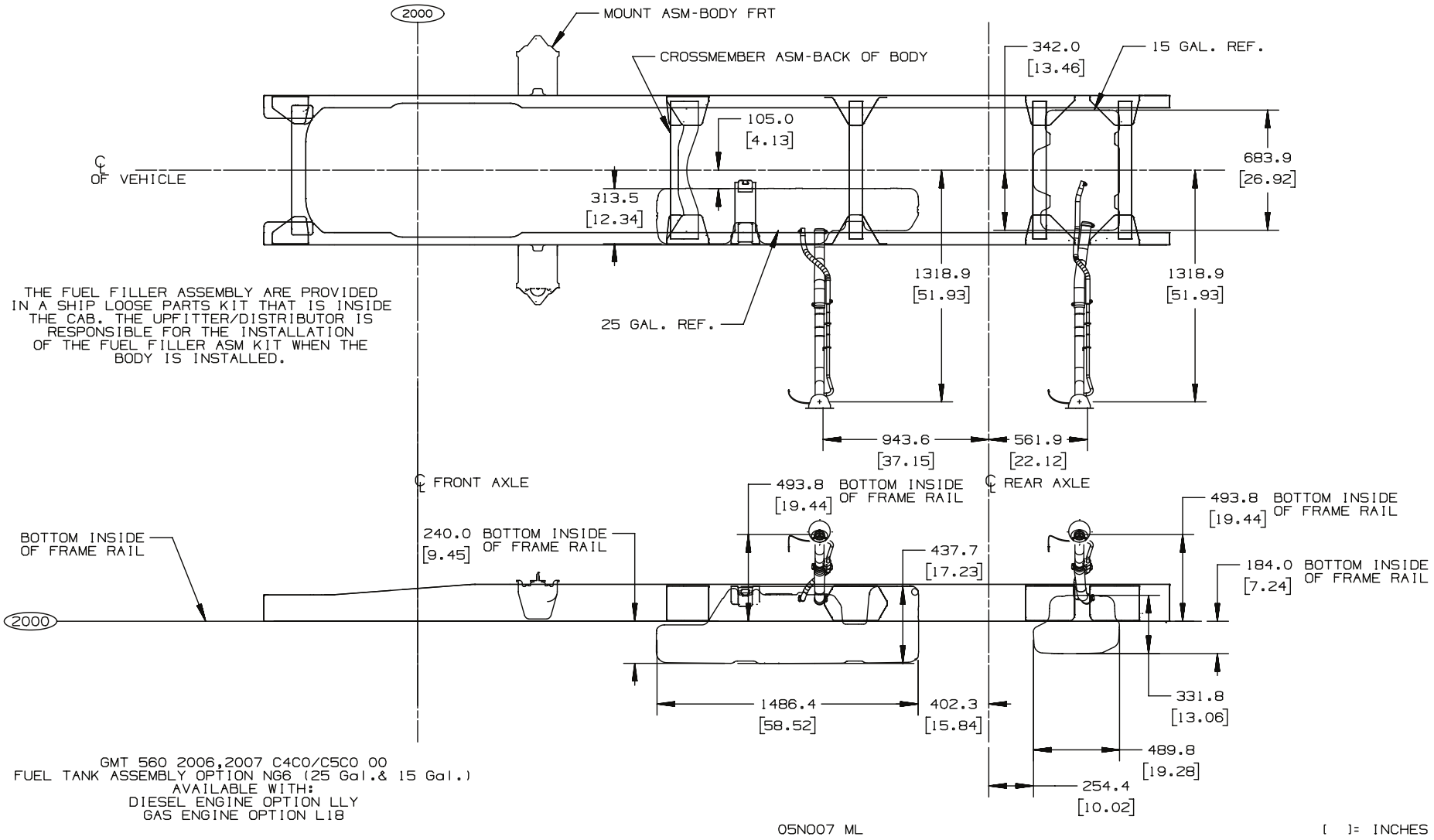
**TD005864e**

# Fuel Tank 25 Gallon – Option NK1



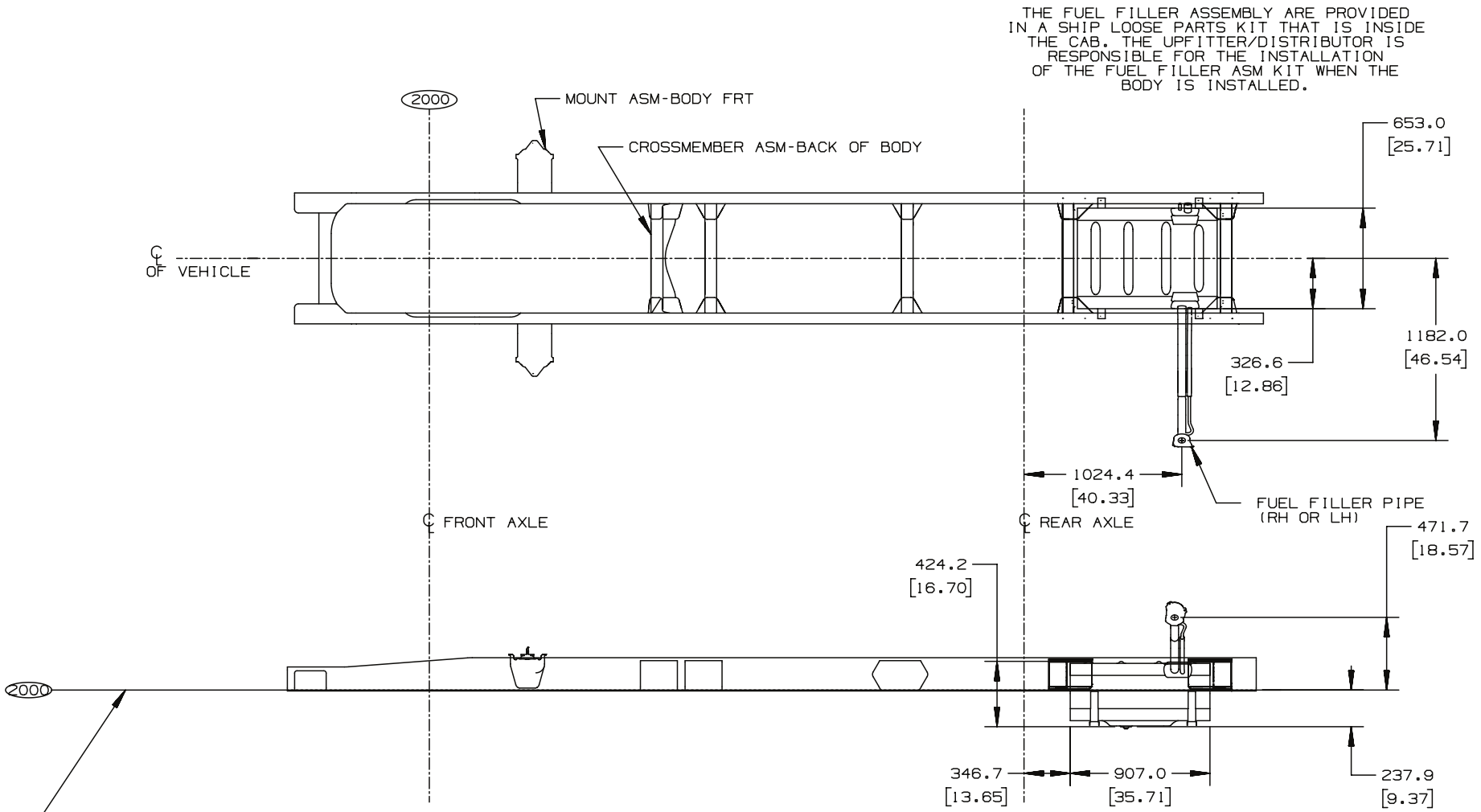

**ANC54573.4**

# Fuel Tank 25 and 15 Gallon – Option NG6



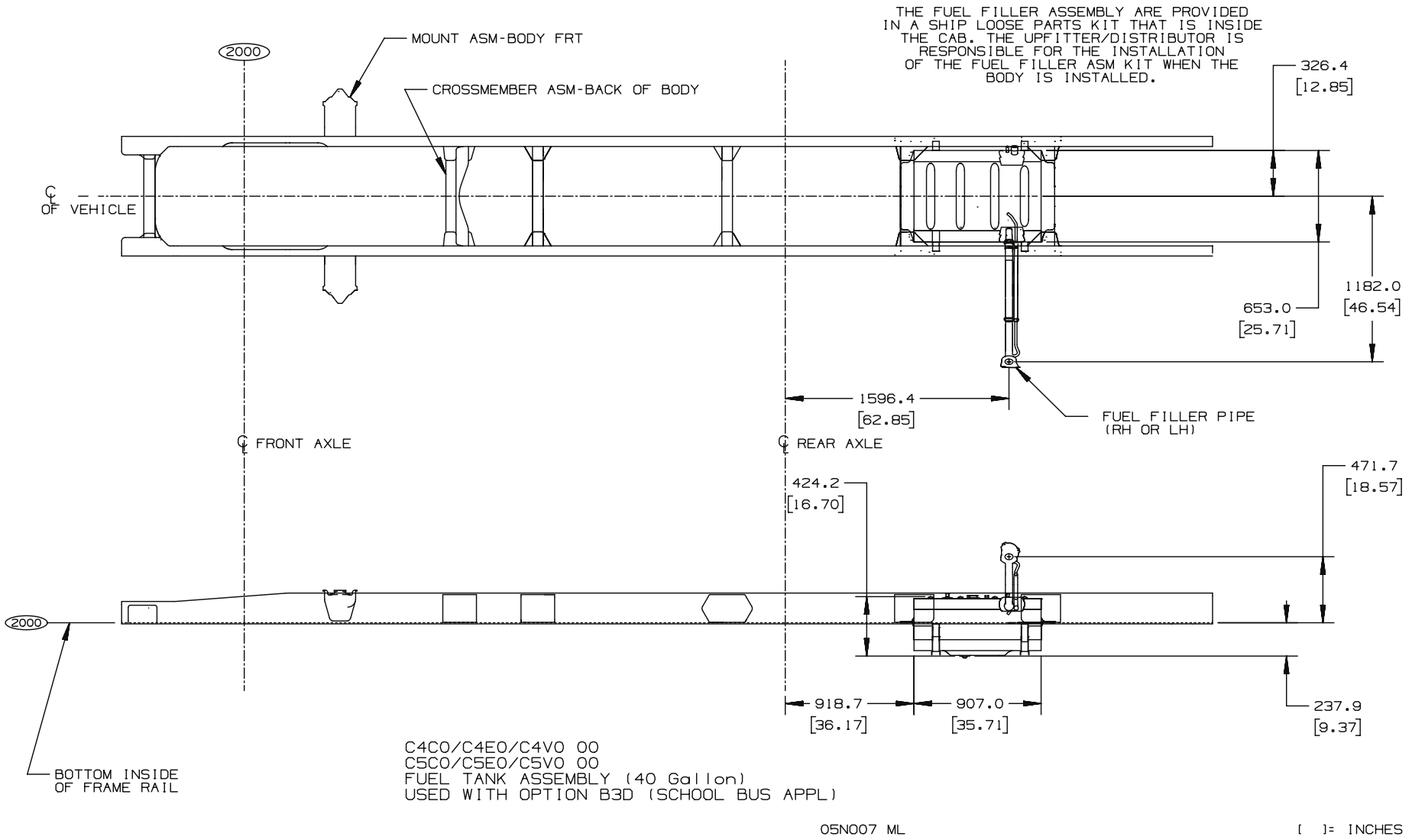

**ANC54573.3**

# Fuel Tank 40 Gallon – Option N23/NH4/NLD



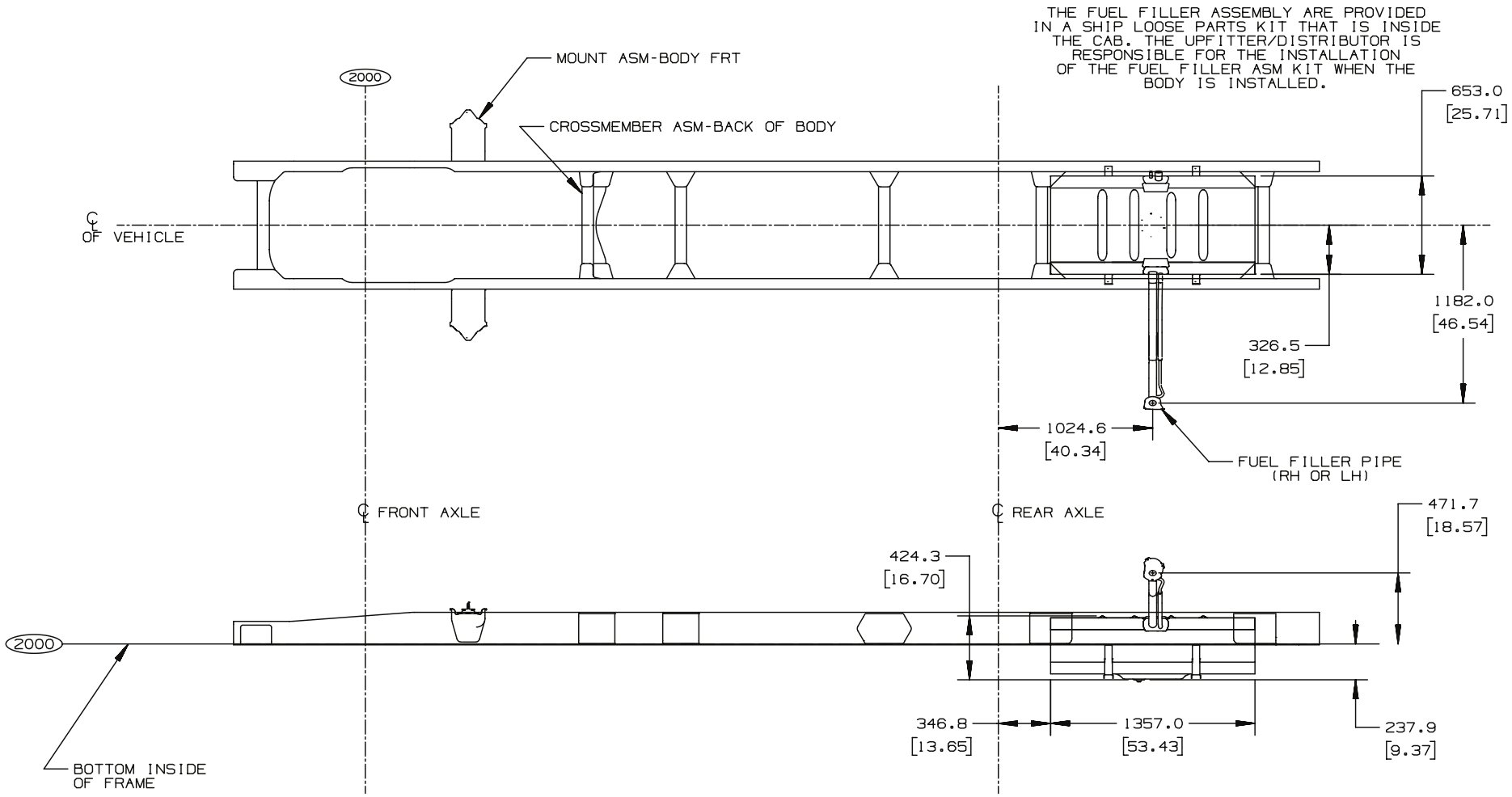

**TD005829.3**

# Fuel Tank 40 Gallon – Option N23/NH4/NLD
# (Used with Option B3D, School Bus Application)




**TD005829.4**

# Fuel Tank 60 Gallon – Option NLE/NH5


THE FUEL FILLER ASSEMBLY ARE PROVIDED IN A SHIP LOOSE PARTS KIT THAT IS INSIDE THE CAB. THE UPFITTER/DISTRIBUTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FUEL FILLER ASM KIT WHEN THE BODY IS INSTALLED.
MOUNT ASM-BODY FRT
CROSSMEMBER ASM-BACK OF BODY
2000
℄ OF VEHICLE
653.0 [25.71]
1182.0 [46.54]
326.5 [12.85]
1024.6 [40.34]
FUEL FILLER PIPE (RH OR LH)
℄ FRONT AXLE
℄ REAR AXLE
471.7 [18.57]
424.3 [16.70]
2000
346.8 [13.65]
1357.0 [53.43]
237.9 [9.37]
BOTTOM INSIDE OF FRAME

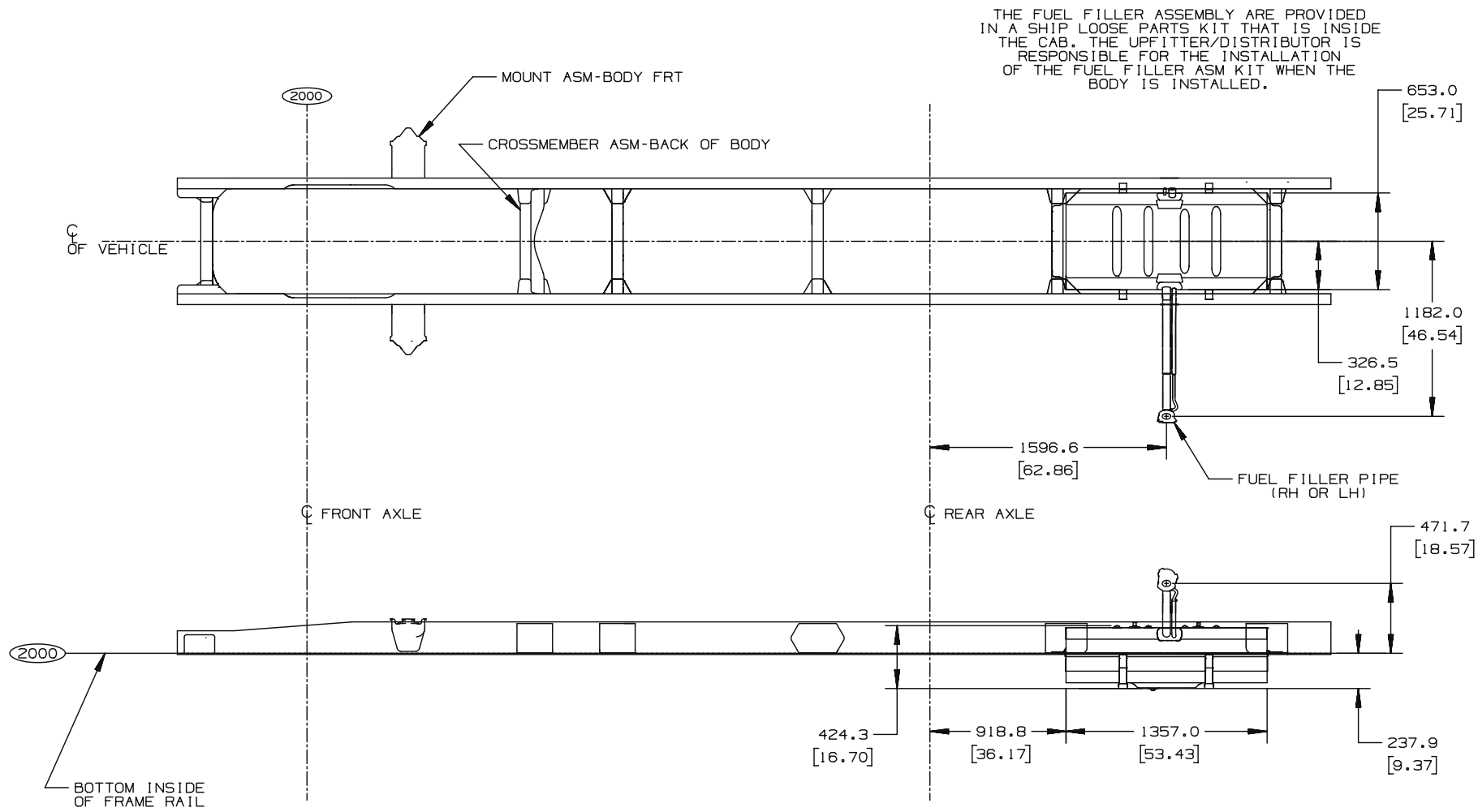
C400/C500 00
FUEL TANK ASSEMBLY (60 Gallon)

05N007 ML

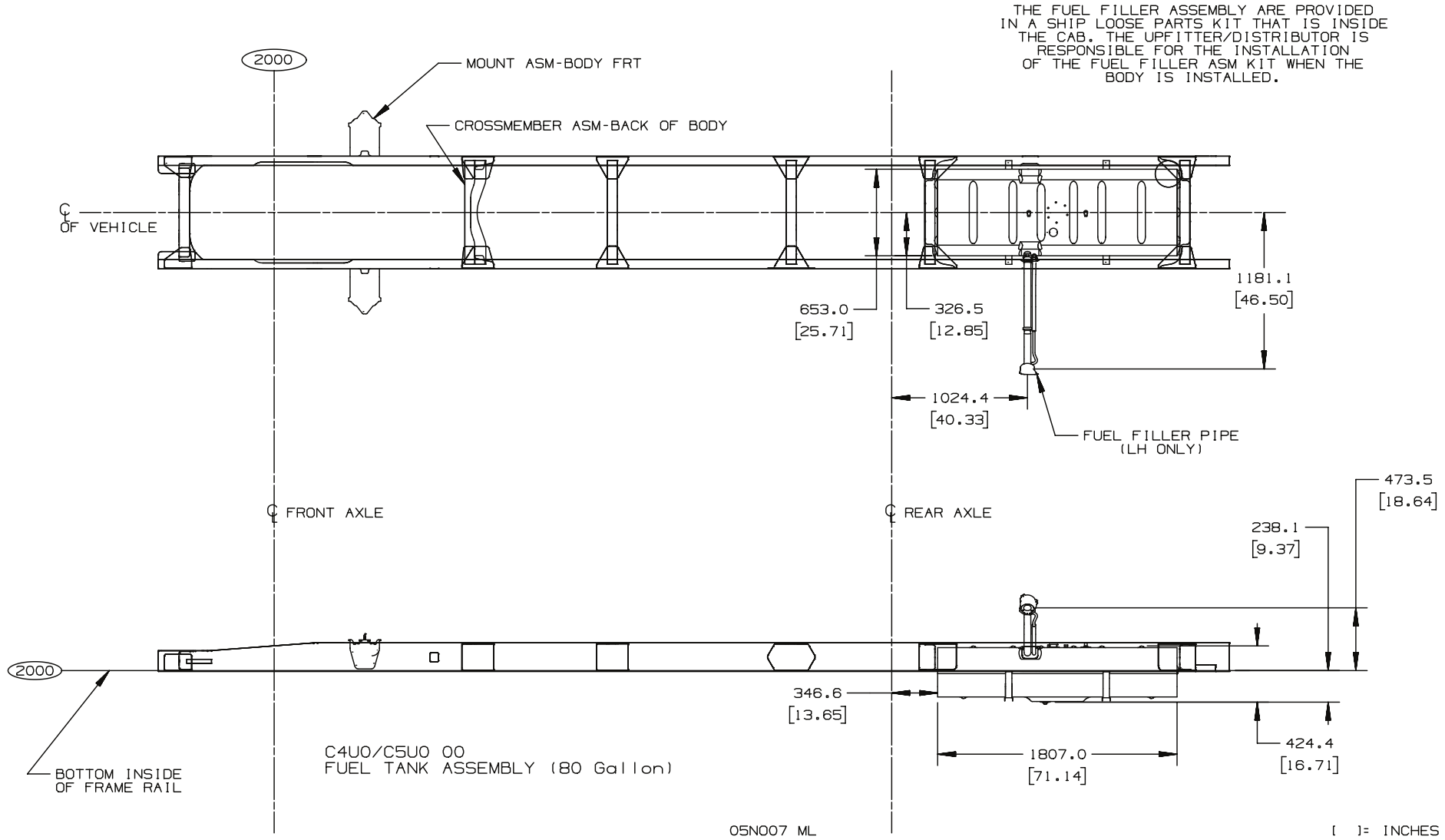
[ ]= INCHES

**TD005826.3**

# Fuel Tank 60 Gallon – Option NLE/NH5
# (Used with Option B3D, School Bus Application)

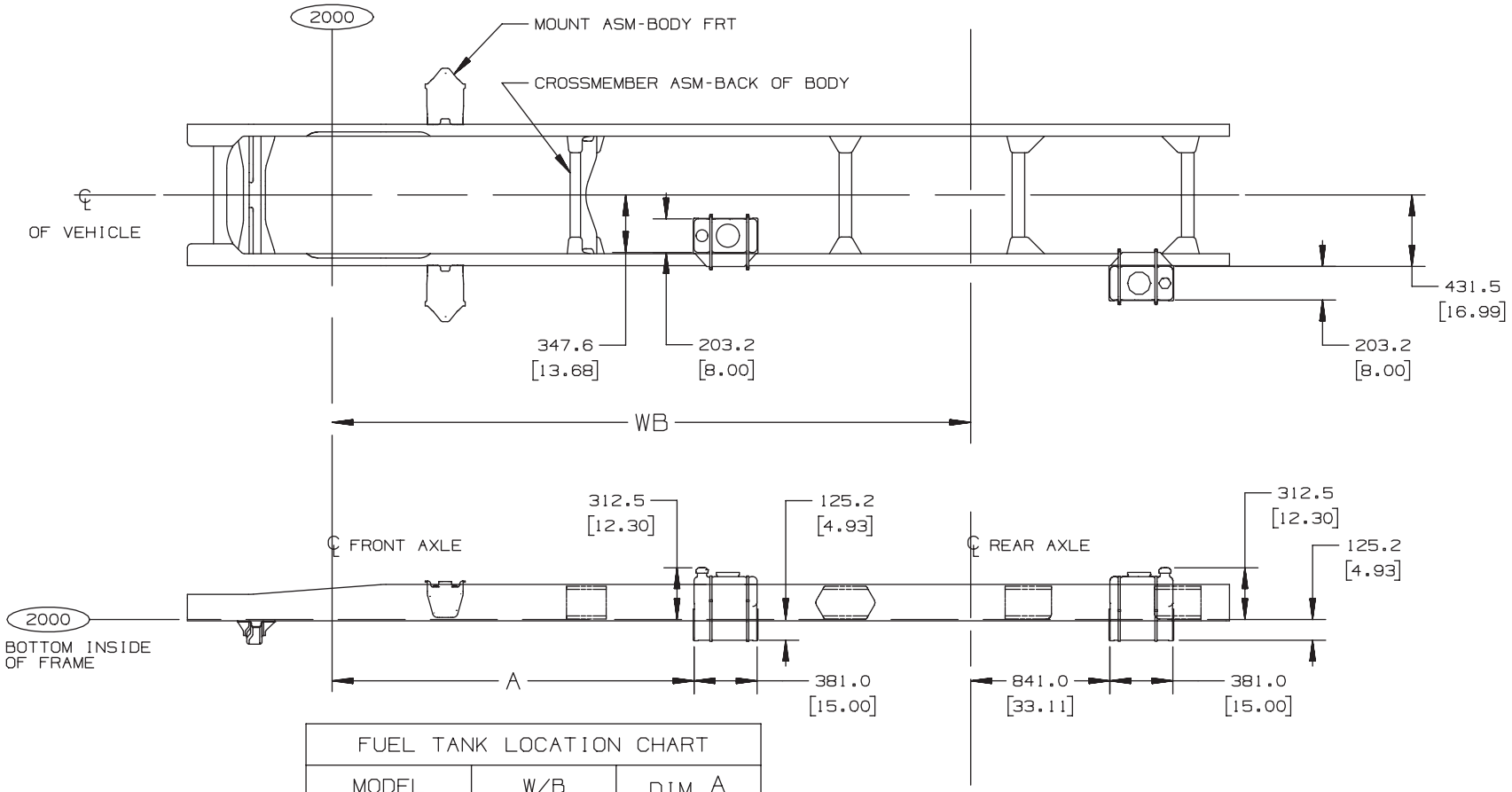


# Fuel Tank 80 Gallon – Option NLF


THE FUEL FILLER ASSEMBLY ARE PROVIDED IN A SHIP LOOSE PARTS KIT THAT IS INSIDE THE CAB. THE UPFITTER/DISTRIBUTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FUEL FILLER ASM KIT WHEN THE BODY IS INSTALLED.
2000
MOUNT ASM-BODY FRT
CROSSMEMBER ASM-BACK OF BODY
℄ OF VEHICLE
653.0 [25.71]
326.5 [12.85]
1181.1 [46.50]
1024.4 [40.33]
FUEL FILLER PIPE (LH ONLY)
℄ FRONT AXLE
℄ REAR AXLE
473.5 [18.64]
238.1 [9.37]
2000
346.6 [13.65]
1807.0 [71.14]
424.4 [16.71]
BOTTOM INSIDE OF FRAME RAIL
C4U0/C5U0 00
FUEL TANK ASSEMBLY (80 Gallon)
05N007 ML
[ ]= INCHES

**TD005827.3**

# Temporary Fuel Tank 5 Gallon – Option NJ2




| FUEL TANK LOCATION CHART | | |
|---|---|---|
| MODEL | W/B | DIM A |
| C 4/5 C 42 | EC9 3251.2 [128.00] | 1651.0 [65.00] |
| C 4/5 C 42&44 | EG9 3860.8 [152.00] | 2189.8 [86.21] |

ALL OTHER W/B, TANK IS RELATIVE TO REAR AXLE AS SHOWN

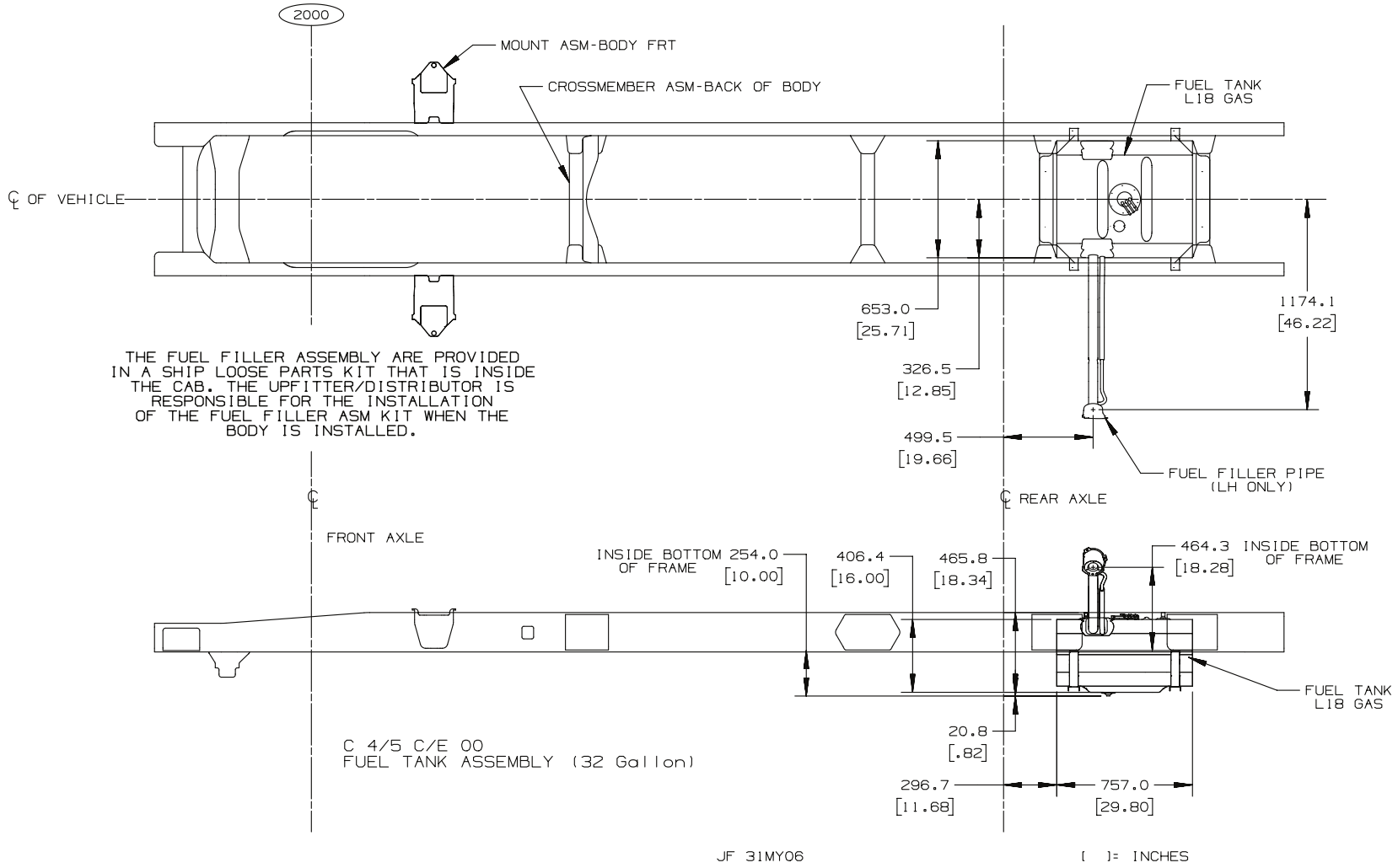
C4C0/C4E0/C4V0 00
C5C0/C5E0/C5V0 00
FUEL TANK ASSEMBLY OPTION NJ2
(5 Gallon TEMPORARY TANK)
AVAILABLE WITH: GAS ENGINE OPTION L18

EM/16MR04

[ ]= INCHES

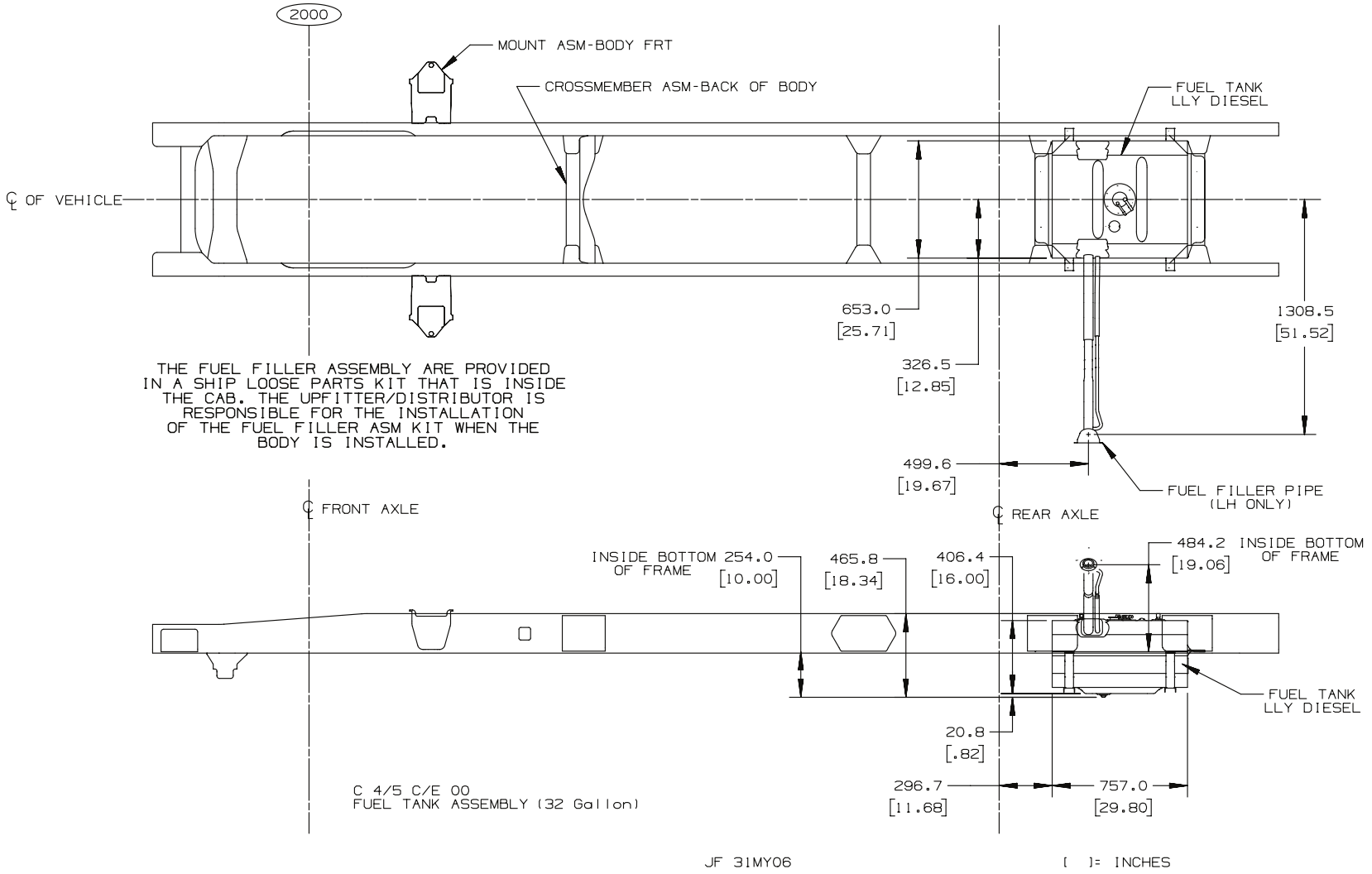
**TD005828**

# Fuel Tank 32 Gallon – Option NLA/NLB with Gas



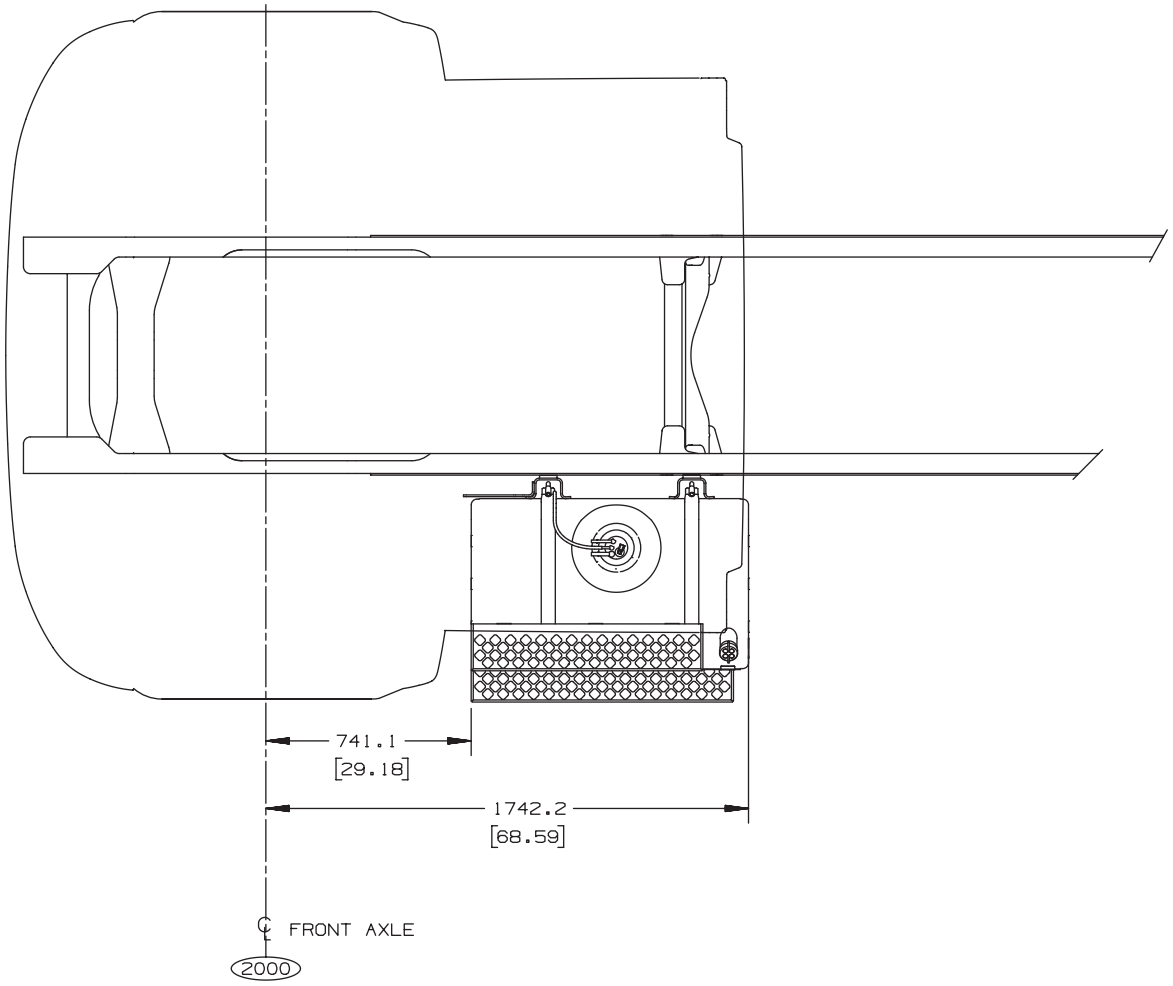

**ANA04668.3**

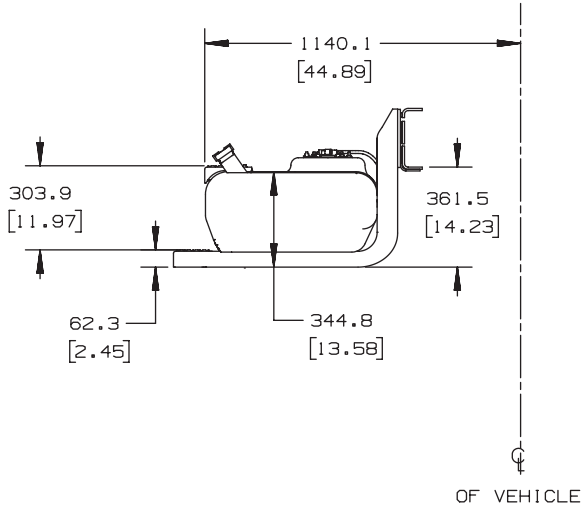
# Fuel Tank 32 Gallon – Option NLA/NLB with Diesel




**ANA04668.4**

## *Fuel Tank, Single 35 Gallon – Option NPQ Available Only on Models (C4C/C5C) 044*



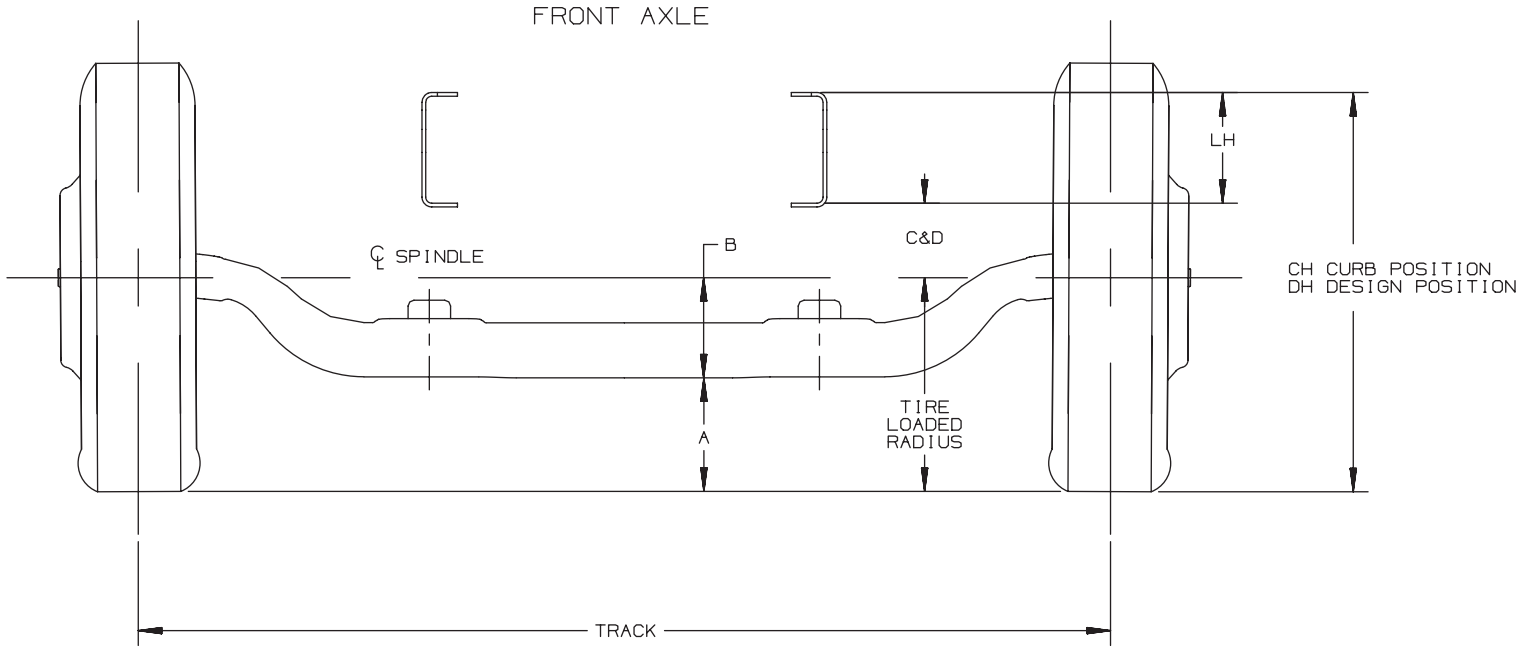

GMT560 C4C05C044

NPQ FUELTANK

[ ]=INCHES

**ANC51909.3**

# Front Axle, I-Beam




LEDGEND:

A = TIRE LOADED RADUIS - B

B = CENTERLINE OF AXLE TO BOTTOM OF BEAM

C = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT CURB POSITION

D = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT DESIGN LOAD

CH = C + TIRE LOADED RADIUS + LH

DH = D + TIRE LOADED RADIUS + LH

LH = INSIDE BOTTOM OF FRAME TO TOP OF FRAME
SEE FRAME DRAWING TD005882

TRACK = WHEEL OFFSET AT SPINDLE
TRACK AT GROUND WILL VARY WITH CAMBER ANGLE AND TIRE/WHEEL COMBINATION

FOR: GMT 560, C4/5C,E,U,V042, C6/7/8C,E,V042, C8C,E,V064 2004 M.D/24JN03 [ ]= INCHES

**TD005869a**

# Front Axle Track Width Chart

| FRONT AXLE TRACK WIDTH | | | | | | |
|---|---|---|---|---|---|---|
| | | | | AXLE & BRAKE RPO | | |
| | | | | FR5 | FM7 | FM8 |
| WHEEL TYPE | WHEEL RPO | WHEEL SIZE (IN INCHES) | WHEEL OFFSET | JE3 (HYD) | JE3 | JE3 |
| DISC | Q91 | 19.50 X 6.00 | 117.34 [ 4.62 ] | 2052.3 [ 80.80 ] | 2062.5 [ 81.20 ] | 2146.9 [ 84.52 ] |
| DISC | Q82 | 19.50 X 6.75 | 142.2 [ 5.60 ] | 2025.1 [ 79.73 ] | 2033.1 [ 80.04 ] | 2124.2 [ 83.63 ] |
| DISC | RPM | 19.50 X 6.75 | 141.0 [ 5.55 ] | 2047.3 [ 80.60 ] | 2055.4 [ 80.92 ] | 2146.4 [ 84.50 ] |

FOR: GMT 560, C4/5C,E,U,V042, 2004

[ ]= INCHES

04JN04 NI

**TD005869b**

# Front Axle / Suspension Chart

FRONT AXLE SUPENSION DIMENSIONS

| SUSPENSION RPO | AXLE RPO | C4C042 | C4E042 | C4U042 | C4V042 | C5C042 | C5E042 | C5U042 | C5V042 | -B- | -C- BASE | -C- W/F59* | -D- BASE | -D- W/F59* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FK6 7,000 LB 3,175 KG TAPERED LEAF | FR5 6,250 LB 2,835 KG | ✳ | | | ✳ | | | | | 177.5 [ 6.99 ] | — | 195.5 [ 7.70 ] | — | 150.2 [ 5.91 ] |
| | FM7 7,000 LB 3,175 KG | ✳ | ✳ | ✳ | ✳ | ✳ | ✳ | ✳ | ✳ | 210.2 [ 8.28 ] | — | 182.1 [ 7.17 ] | — | 120.1 [ 4.73 ] |
| FSN 8,000 LB 3,629 KG TAPERED LEAF | FM8 8,000 LB 3,639 KG | | | | | ✳ | ✳ | ✳ | ✳ | 210.2 [ 8.28 ] | — | 207.1 [ 8.15 ] | — | 136.6 [ 5.38 ] |

*F59 = STABLIZER SHAFT FRONT

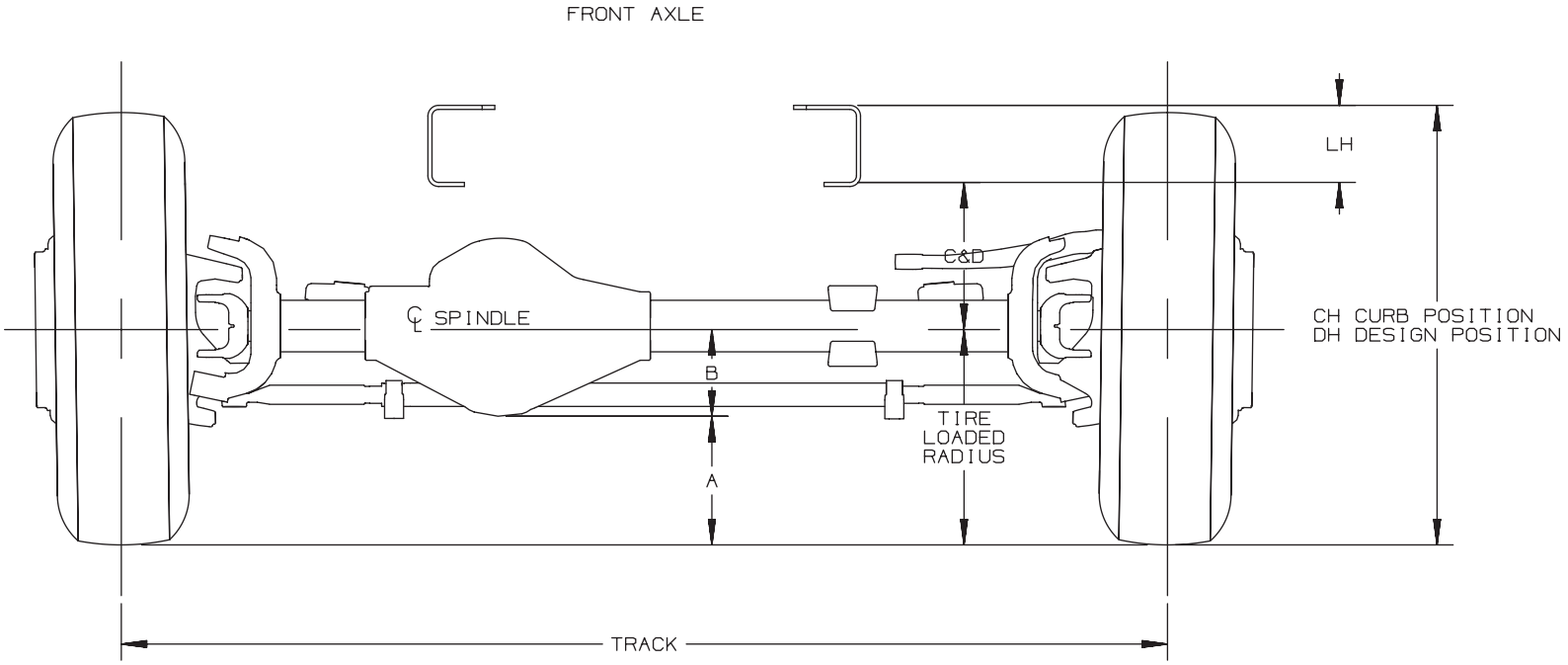
FOR: GMT 560, C4/5C,E,U,V042, 2004

[ ]= INCHES

04JN04 NI

**TD005869c**

# Front Drive Axle




LEDGEND:

A = TIRE LOADED RADUIS - B

B = CENTERLINE OF AXLE TO BOTTOM OF BOWL

C = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT CURB POSITION

D = CENTERLINE OF AXLE TO BOTTOM INSIDE OF RAIL AT DESIGN LOAD

CH = C + TIRE LOADED RADIUS + LH

DH = D + TIRE LOADED RADIUS + LH

LH = INSIDE BOTTOM OF FRAME TO TOP OF FRAME
SEE FRAME DRAWING TD005882

TRACK = WHEEL OFFSET AT SPINDLE
TRACK AT GROUND WILL VARY WITH CAMBER ANGLE AND TIRE/WHEEL COMBINATION

FOR: GMT 560, C4/5C,E044 2005 J.F/23FE04 [ ]= INCHES

**TD005869f**

# Front Drive Axle Track Width / Suspension Chart

| FRONT AXLE TRACK WIDTH | | | | | | |
|---|---|---|---|---|---|---|
| WHEEL TYPE | WHEEL RPO | WHEEL SIZE [ IN INCHES ] | WHEEL OFFSET | AXLE RPO | BRAKE RPO | TRACK WIDTH |
| STEEL | Q82 | 19.5 X 6.75 | 143.8 [ 5.66 ] | G38 | JE3 | 2036.9 [ 80.19 ] |
| ALUMINUM | RPM | | 141.0 [ 5.55 ] | | | 2041.5 [ 80.37 ] |
| STEEL | QZ3 | 22.5 X 7.5 | 157.5 [ 6.20 ] | G38 | JE3 | 2008.5 [ 79.07 ] |
| ALUMINUM | QZ1 | | 163.8 [ 6.45 ] | | | 1995.9 [ 78.57 ] |

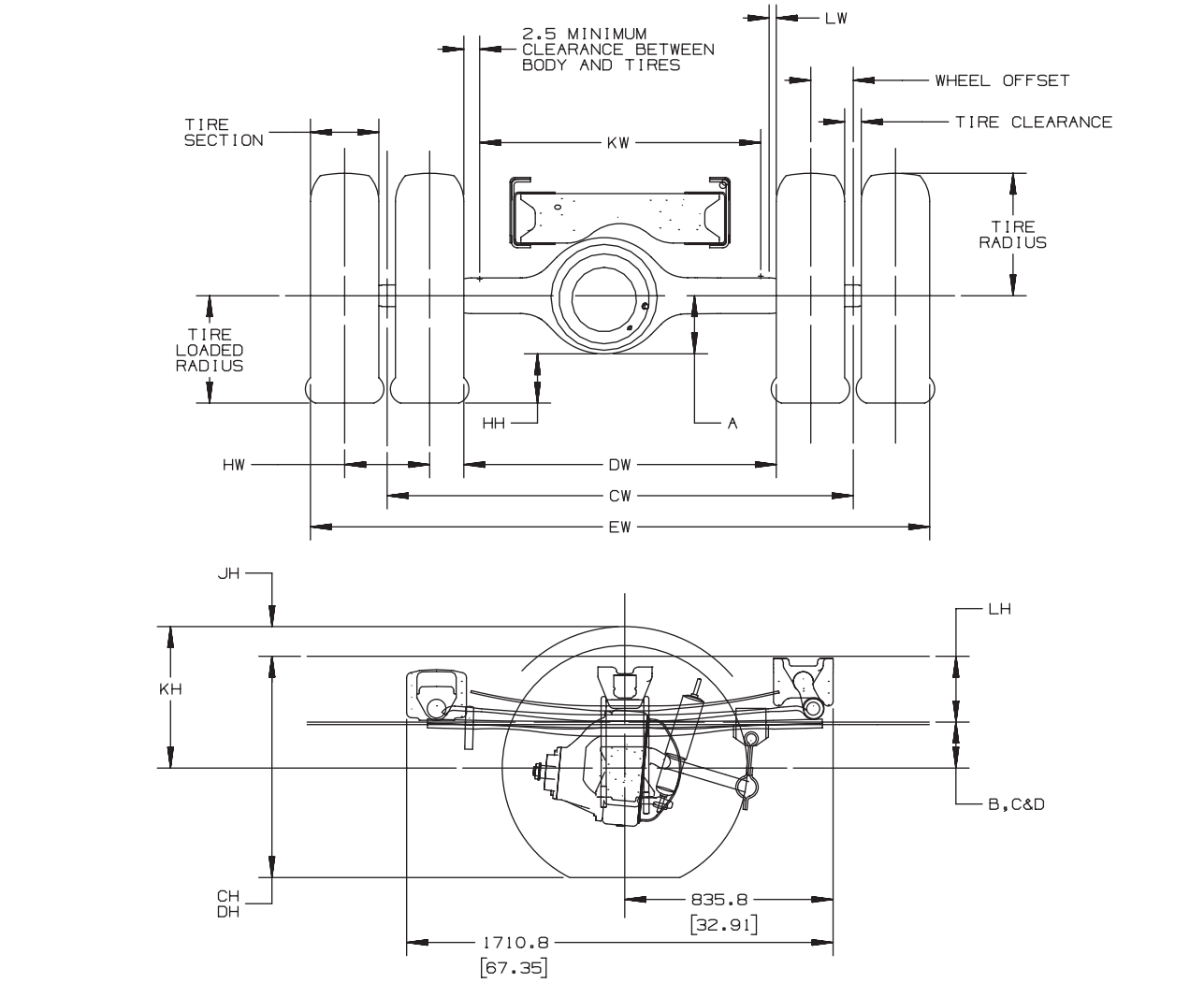
| FRONT AXLE SUPENSION DIMENSIONS | | | | | | |
|---|---|---|---|---|---|---|
| SUSPENSION RPO | AXLE RPO | -B- | -C- BASE | -C- W/*F59 | -D- BASE | -D- W/*F59 |
| FSN 8,000 LB 3,175 KG TAPERED LEAF | G38 8,000 LB 3,175 KG | 174.2 [ 6.86 ] | — | 327.1 [ 12.88 ] | — | 287.2 [ 11.31 ] |

*F59 = STABLIZER SHAFT FRONT

FOR: GMT 560, C4/C5,C,E044 2006 JF 02JN06 [ ]= INCHES

**TD005869.10**

# Rear Axle (042)




FOR: GMT560 C SERIES WITH SINGLE REAR AXLE

MD/060C03

[ ] = INCHES

**TD005870a**

# Rear Axle Chart Formula (042)

DEFINITIONS:

A - CENTERLINE OF AXLE TO BOTTOM OF AXLE BOWL

B - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT INFINATE BUMP

C - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT CURB POSITION

D - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT DESIGN LOAD

CH - REAR FRAME HEIGHT
DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT CURB POSITION

DH - REAR FRAME HEIGHT DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT DESIGN POSITION

HH - REAR AXLE CLEARANCE
MINIMUM CLEARANCE BETWEEN THE REAR AXLE AND THE GROUND-LINE

JH - REAR TIRE CLEARANCE
MINIMUM CLEARANCE REQUIRED FOR TIRES AND CHAINS MEASURED FROM THE TOP OF THE FRAME AT THE VERTICAL CENTERLINE OF THE REAR AXLE

KH - CHAIN CLEARANCE

LH - DISTANCE FROM THE BOTTOM INSIDE RAIL TO THE TOP OF THE RAIL

CW - TRACK DUAL WHEEL VEHICLES
DISTANCE BETWEEN THE CENTERLINES OF THE DUAL WHEELS AS MEASURED AT THE GROUND-LINE

DW - MINIMUM DISTANCE BETWEEN THE INNER SURFACES OF THE REAR TIRES

EW - MAXIMUM REAR WIDTH
OVER-ALL WIDTH OF VEHICLE MEASURED AT THE OUTER MOST SURFACE OF THE REAR TIRES

HW - DUAL TIRE SPACING
DISTANCE BETWEEN THE CENTERLINES OF THE TIRES IN A SET OF DUAL TIRES

KW - REAR BODY WIDTH
MAXIMUM BODY WIDTH BETWEEN REAR TIRES

SEE TIRE CHART FOR VALUES: TIRE SELECTION, TIRE RADIUS
TIRE LOADED RADIUS AND TIRE CLEARANCE

FORMULAS FOR CALCULATING REAR WIDTH AND HEIGHT DIMENSIONS:

CH = TIRE LOADED RADIUS + C + LH
DH = TIRE LOADED RADIUS + D + LH
HH = TIRE LOADED RADIUS - A
JH = KH - B - LH
KH = TIRE RADIUS + 3.00 INCHES
CW = TRACK
DW = TRACK - 1 TIRE SECTION - HW
EW = TRACK + 1 TIRES SECTION + 2 WHEEL OFFSETS
KW = DW - 5.00 INCHES
LW = 1.00 INCHES MINIMUM CLEARANCE BETWEEN TIRES AND SPRINGS

NOTE: TRACK AND OVERALL WIDTH MAY VARY WITH OPTIONAL EQUIPMENT

MD/060C03

**TD005870b**

# Rear Axle Suspension and Track Chart (042)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

| SUSPENSION RPO | REAR AXLE RPO | VEHICLE MODELS: C4C042 | C4E042 | C4V042 | C4U042 | C5C042 | C5E042 | C5V042 | C5U042 | -A- | -B- BASE | -B- W/G60 | -C- BASE | -C- W/G60 | -D- BASE | -D- W/G60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GR2 11,000 LB TAPERED LEAF | GL4 11,000 LB | * | * | * | * | | | | | 176.44 [6.97] | 80.2 [3.16] | N/A | 223.2 [8.79] | N/A | 158.3 [6.23] | N/A |
| GR3 11,000 LB MULTILEAF | | * | * | * | * | | | | | | 88.1 [3.47] | N/A | 223.8 [8.81] | N/A | 153.5 [6.04] | N/A |
| GR4 13,500 LB MULTILEAF | | * | | | | | | | | | 86.0 [3.38] | N/A | 182.5 [7.18] | N/A | 140.5 [5.53] | N/A |
| GQ2 15,000 LB | | * | * | * | * | | | | | | 103.7 [4.08] | N/A | 261.3 [10.29] | N/A | 198.7 [7.82] | N/A |
| GR4 13,500 LB MULTILEAF | HD2 13,500 LB DANA S110 | * | * | * | * | * | * | * | | 182.34 [7.18] | 102.9 [4.05] | N/A | 219.1 [8.63] | N/A | 162.8 [6.41] | N/A |
| GXA 13,500 LB TAPERED LEAF | | * | * | * | * | * | * | * | * | | 79.2 [3.11] | N/A | 234.1 [9.22] | N/A | 163.3 [6.43] | N/A |
| GQ2 15,000 LB | | * | * | | | * | * | * | * | | 103.7 [4.08] | N/A | 261.3 [10.29] | N/A | 189.3 [7.45] | N/A |
| GG0 15,000 LB MULTILEAF | HD1 15,000 LB DANA S130 SINGLE SPEED | | | | | * | * | * | * | 182.34 [7.18] | 86.6 [3.40] | N/A | 258.4 [10.17] | N/A | 184.3 [7.25] | N/A |
| GQ0 15,000 LB TAPERED LEAF | | | | | | * | * | * | * | | 71.6 [2.82] | N/A | 276.8 [10.90] | N/A | 168.0 [6.61] | N/A |
| GQ2 15,000 LB | | | | | | * | * | * | * | | 103.7 [4.08] | N/A | 261.3 [10.29] | N/A | 182.7 [7.19] | N/A |
| GSK 12,000 LB TAPERED LEAF | | | | | | * | * | * | * | | 102.4 [4.03] | N/A | 221.4 [8.71] | N/A | 132.2 [5.20] | N/A |

FOR: GMT560 C SERIES WITH SINGLE REAR AXLE

[ ] = INCHES

**TD005870.5**

# Rear Axle Suspension and Track Chart (042)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

| SUSPENSION RPO | REAR AXLE RPO | VEHICLE MODELS: C4C042 | C4E042 | C4V042 | C4U042 | C5C042 | C5E042 | C5V042 | C5U042 | -A- | -B- BASE | -B- W/G60 | -C- BASE | -C- W/G60 | -D- BASE | -D- W/G60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GG9 17,000 LB TAPERED LEAF | HPK 19,000 LB EATON 19060S SINGLE SPEED | | | | | * | * | | * | 229.6 [9.04] | 79.7 [3.14] | N/A | 288.0 [11.34] | N/A | 179.9 [7.08] | N/A |
| GN0 19,000 LB MULTILEAF | | | | | | * | * | * | * | | 81.1 [3.19] | N/A | 297.8 [15.66] | N/A | 224.7 [8.85] | N/A |
| GN2 19,000 LB TAPERED LEAF | | | | | | * | * | * | * | | 77.0 [3.03] | N/A | 288.8 [11.37] | N/A | 178.4 [7.02] | N/A |
| GN3 17,000 LB MULTILEAF | | | | | | * | * | | * | | 80.6 [3.17] | N/A | 294.2 [11.58] | N/A | 220.7 [8.69] | N/A |

REAR AXLE TRACK DIMENSIONS - SINGLE AXLE

| ENGINEERING MODEL | BRAKE | AXLE RPO | TRACK |
|---|---|---|---|
| C 4C/4E/4U/4V 042 | JE3 | GL4 11,000 LB | 1854.2 [73.0] |
| C 5C/5E/5U/5V 042 | | HD2 13,500 LB DANA S110 | 1846.2 [72.6] |
| | | HD1 15,000 LB DANA S130 SINGLE SPEED | 1854.6 [73.02] |
| | | HPK 19,000 LB EATON 19060S SINGLE SPEED | 1905.5 [75.02] |

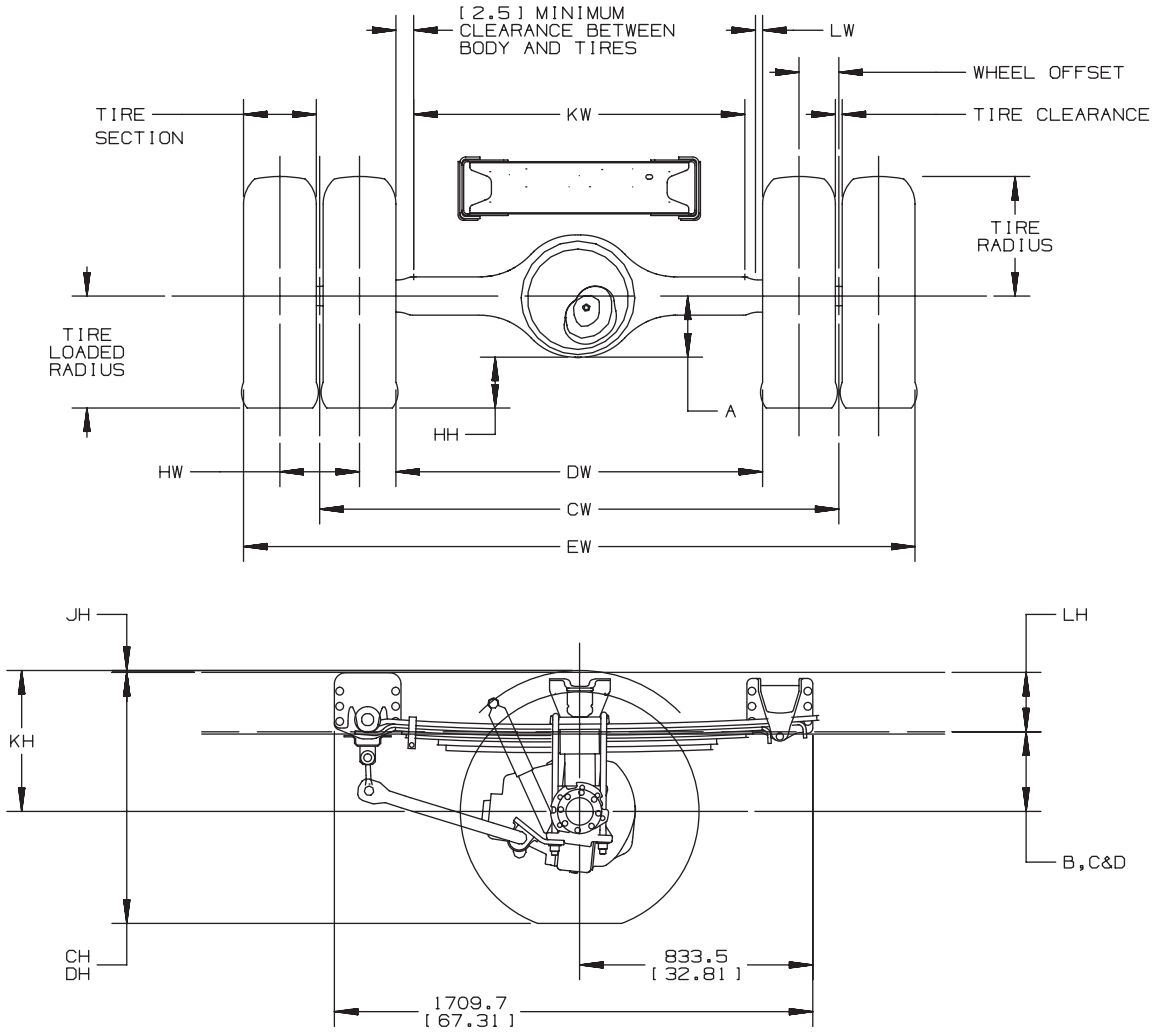
FOR: GMT560 C ,FAM2,SERIES WITH SINGLE REAR AXLE

JF 23/JAN/08

[ ] = INCHES

**TD005870.6**

# Rear Axle (044)




FOR: GMT560 C FAM2 4X4 SERIES WITH SINGLE REAR AXLE EM/15MR04 [ ] = INCHES

**TD005870p**

# Rear Axle Chart Formula (044)

DEFINITIONS:

A - CENTERLINE OF AXLE TO BOTTOM OF AXLE BOWL

B - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT INFINATE BUMP

C - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT CURB POSITION

D - CENTERLINE OF AXLE TO BOTTOM INSIDE RAIL AT DESIGN LOAD

CH - REAR FRAME HEIGHT
DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT CURB POSITION

DH - REAR FRAME HEIGHT DISTANCE BETWEEN THE TOP OUTSIDE RAIL AND THE GROUND-LINE THROUGH THE VERTICAL CENTERLINE OF THE REAR AXLE AT DESIGN POSITION

HH - REAR AXLE CLEARANCE
MINIMUM CLEARANCE BETWEEN THE REAR AXLE AND THE GROUND-LINE

JH - REAR TIRE CLEARANCE
MINIMUM CLEARANCE REQUIRED FOR TIRES AND CHAINS MEASURED FROM THE TOP OF THE FRAME AT THE VERTICAL CENTERLINE OF THE REAR AXLE

KH - CHAIN CLEARANCE

LH - DISTANCE FROM THE BOTTOM INSIDE RAIL TO THE TOP OF THE RAIL

CW - TRACK DUAL WHEEL VEHICLES
DISTANCE BETWEEN THE CENTERLINES OF THE DUAL WHEELS AS MEASURED AT THE GROUND-LINE

DW - MINIMUM DISTANCE BETWEEN THE INNER SURFACES OF THE REAR TIRES

EW - MAXIMUM REAR WIDTH
OVER-ALL WIDTH OF VEHICLE MEASURED AT THE OUTER MOST SURFACE OF THE REAR TIRES

HW - DUAL TIRE SPACING
DISTANCE BETWEEN THE CENTERLINES OF THE TIRES IN A SET OF DUAL TIRES

KW - REAR BODY WIDTH
MAXIMUM BODY WIDTH BETWEEN REAR TIRES

SEE TIRE CHART FOR VALUES: TIRE SELECTION, TIRE RADIUS
TIRE LOADED RADIUS AND TIRE CLEARANCE

FORMULAS FOR CALCULATING REAR WIDTH AND HEIGHT DIMENSIONS:

CH = TIRE LOADED RADIUS + C + LH
DH = TIRE LOADED RADIUS + D + LH
HH = TIRE LOADED RADIUS - A
JH = KH - B - LH
KH = TIRE RADIUS + 3.00 INCHES
CW = TRACK
DW = TRACK - 1 TIRE SECTION - HW
EW = TRACK + 1 TIRES SECTION + 2 WHEEL OFFSETS
KW = DW - 5.00 INCHES
LW = 1.00 INCHES MINIMUM CLEARANCE BETWEEN TIRES AND SPRINGS

NOTE: TRACK AND OVERALL WIDTH MAY VARY WITH OPTIONAL EQUIPMENT

EM/15MR04

**TD005870q**

# Rear Axle Suspension and Track Chart (044)

REAR AXLE SUSPENSION DIMENSIONS - SINGLE AXLE

| SUSPENSION RPO | REAR AXLE RPO | VEHICLE MODELS C4C044 | C4E044 | C5C044 | C5E044 | -A- | -B- | -C- | -D- |
|---|---|---|---|---|---|---|---|---|---|
| GR4 13,500 LB MULTILEAF | HD2 13,500 LB DANA S110 | * | * | | | 182.34 [ 7.18 ] | 218.9 [ 8.61 ] | 339.1 [ 13.35 ] | 282.8 [ 11.13 ] |
| GQ2 15,000 LB | | | | * | * | | 292.0 [ 11.49 ] | 319.4 [ 12.57 ] | 276.0 [ 10.86 ] |

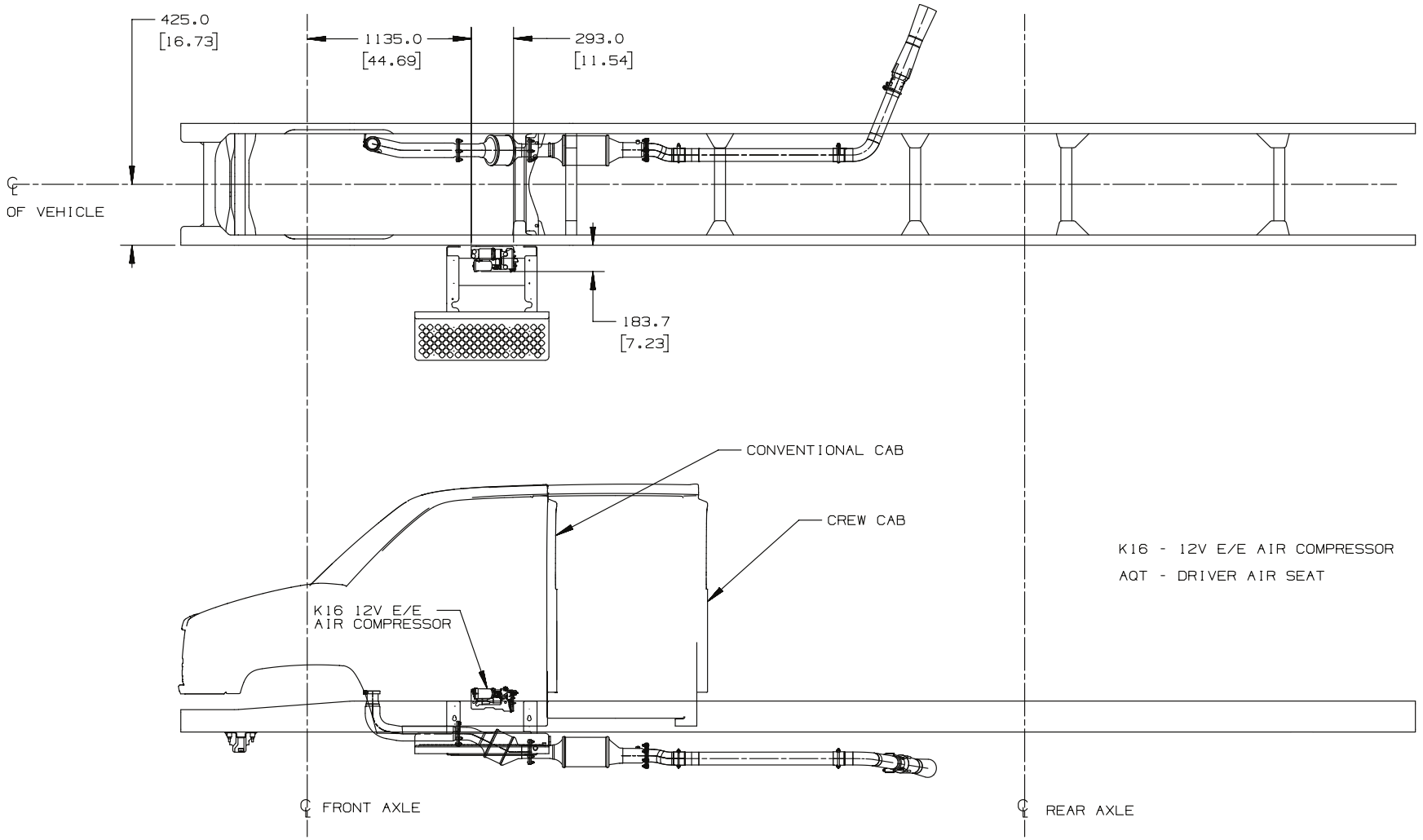
REAR AXLE TRACK DIMENSIONS - SINGLE AXLE

| WHEEL TYPE | WHEEL RPO | WHEEL SIZE [ IN INCHES ] | WHEEL OFFSET | BRAKE | AXLE RPO | TRACK |
|---|---|---|---|---|---|---|
| STEEL | Q83 | 19.5 X 6.75 | 145.8 [ 5.66 ] | J69 | HD2 13,500 LB DANA S110 | 1855.0 [ 73.00 ] |
| ALUM | RPW | | 141.0 [ 5.55 ] | | | 1874.8 [ 73.80 ] |
| STEEL | QZ4 | 22.5 X 7.5 | 157.5 [ 6.20 ] | J69 | HD2 13,500 LB DANA S110 | 1855.0 [ 73.00 ] |
| ALUM | QZ2 | | 163.8 [ 6.45 ] | | | 1874.8 [ 73.80 ] |

FOR: GMT560 C FAM2 4X4 SERIES WITH SINGLE REAR AXLE JF 02/JN/06 [ ] = INCHES

**TD005870.20**

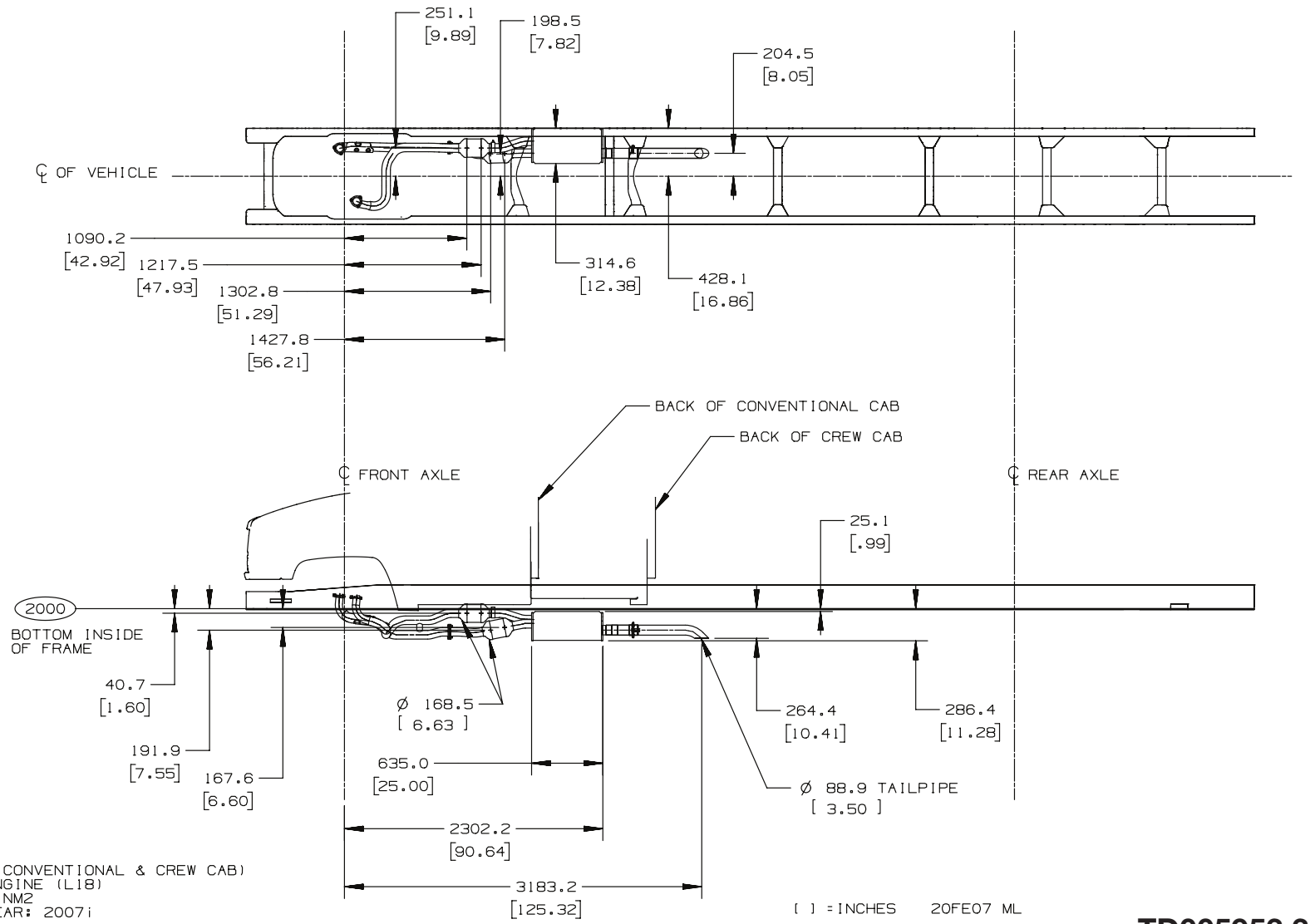
# C4/C5C,E,U,V042 Air Tank and Compressor




GMT560 FAMILY 2 AND FAMILY 3 C-SERIES/T-SERIES K16 AIR COMPRESSOR 14JN06 ML [ ] = INCHES

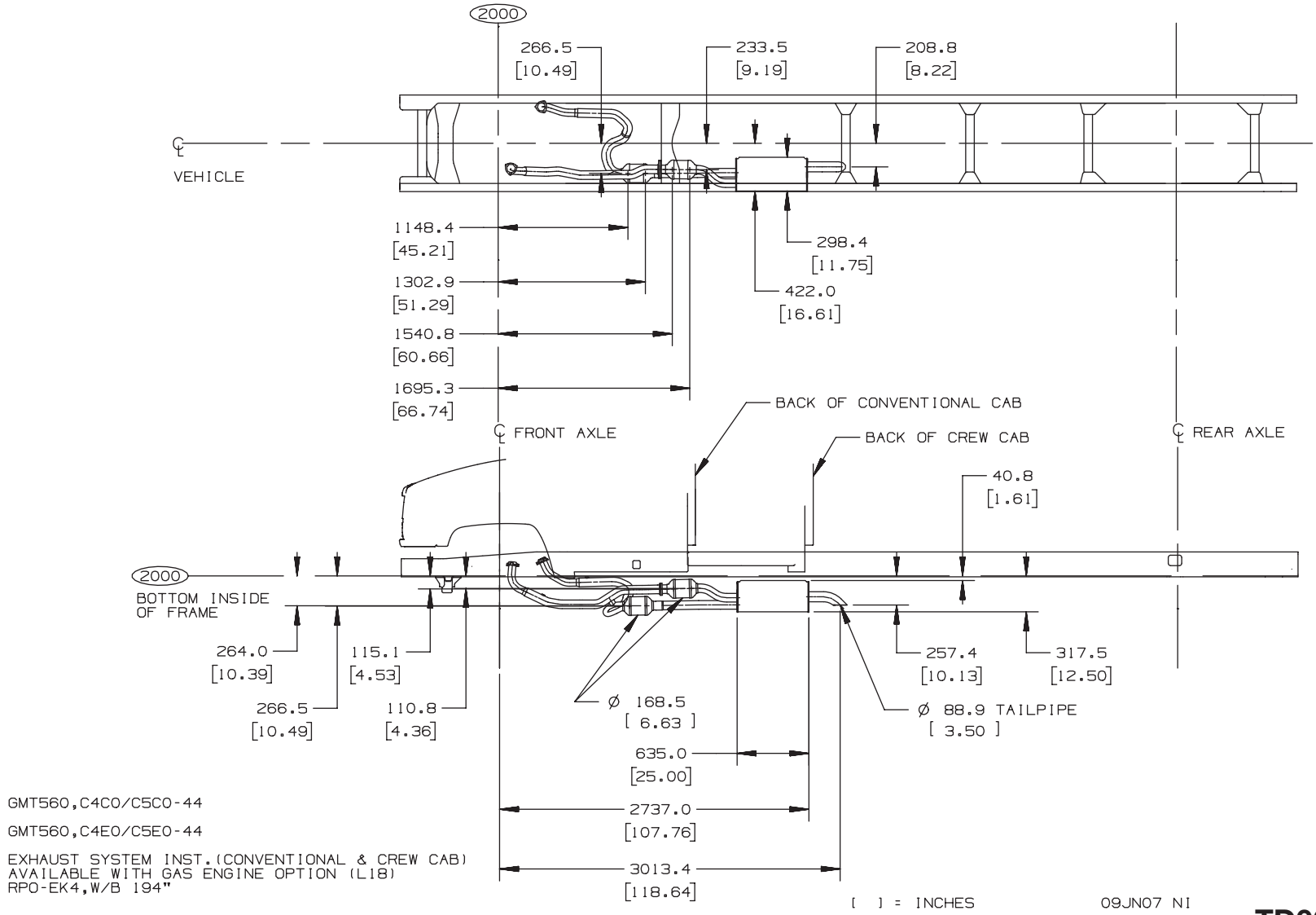
**AND58419.3**

## *Single Horizontal Exhaust and Muffler – Option NB5 w/L18 Gas Engine, C4C/C4E/C5C/C5E (042)*



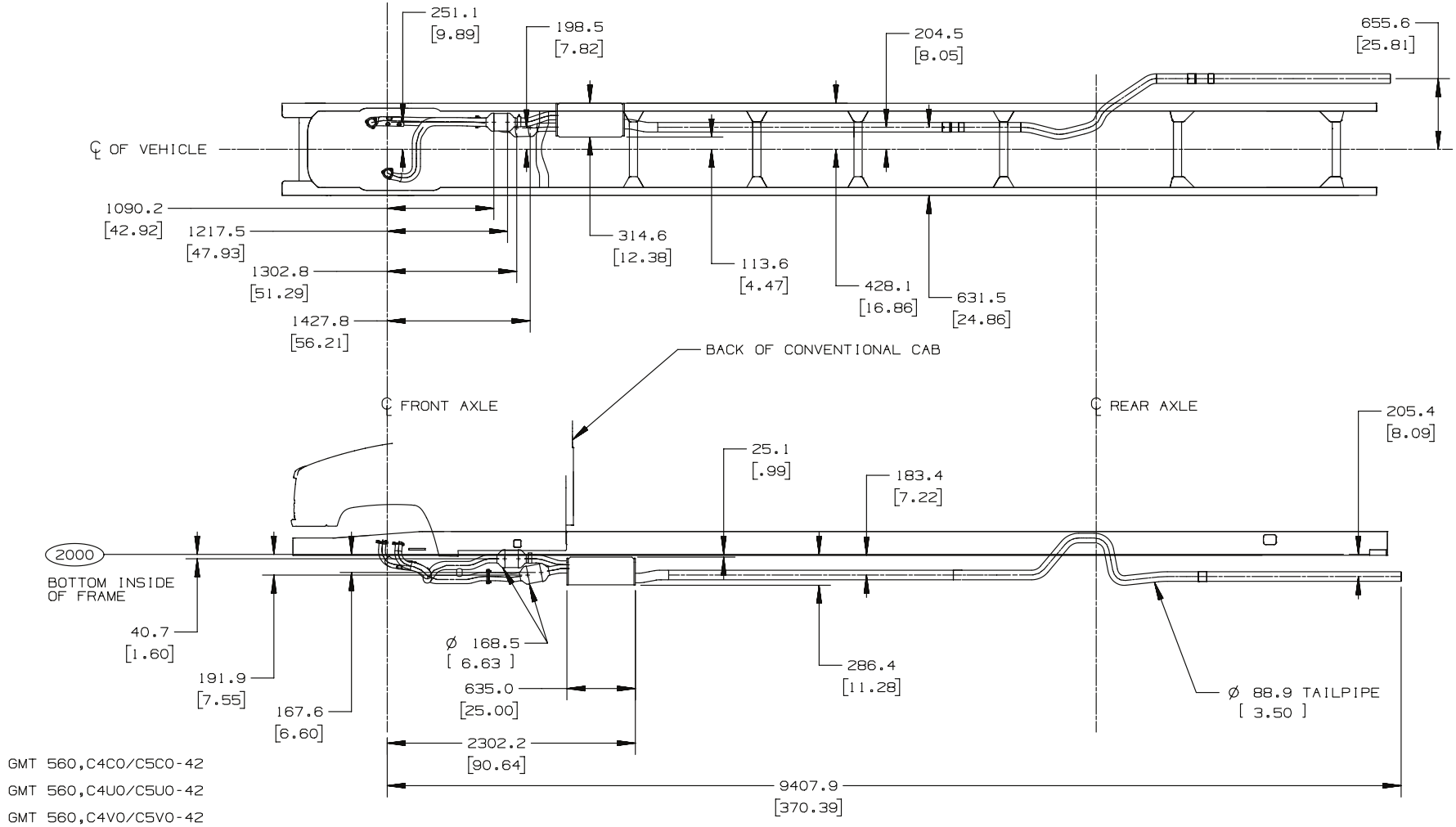

**TD005953.3**

# Single Horizontal Exhaust and Muffler – Option NB5 w/L18 Gas Engine, C4C/C4E/C5C/C5E (044)



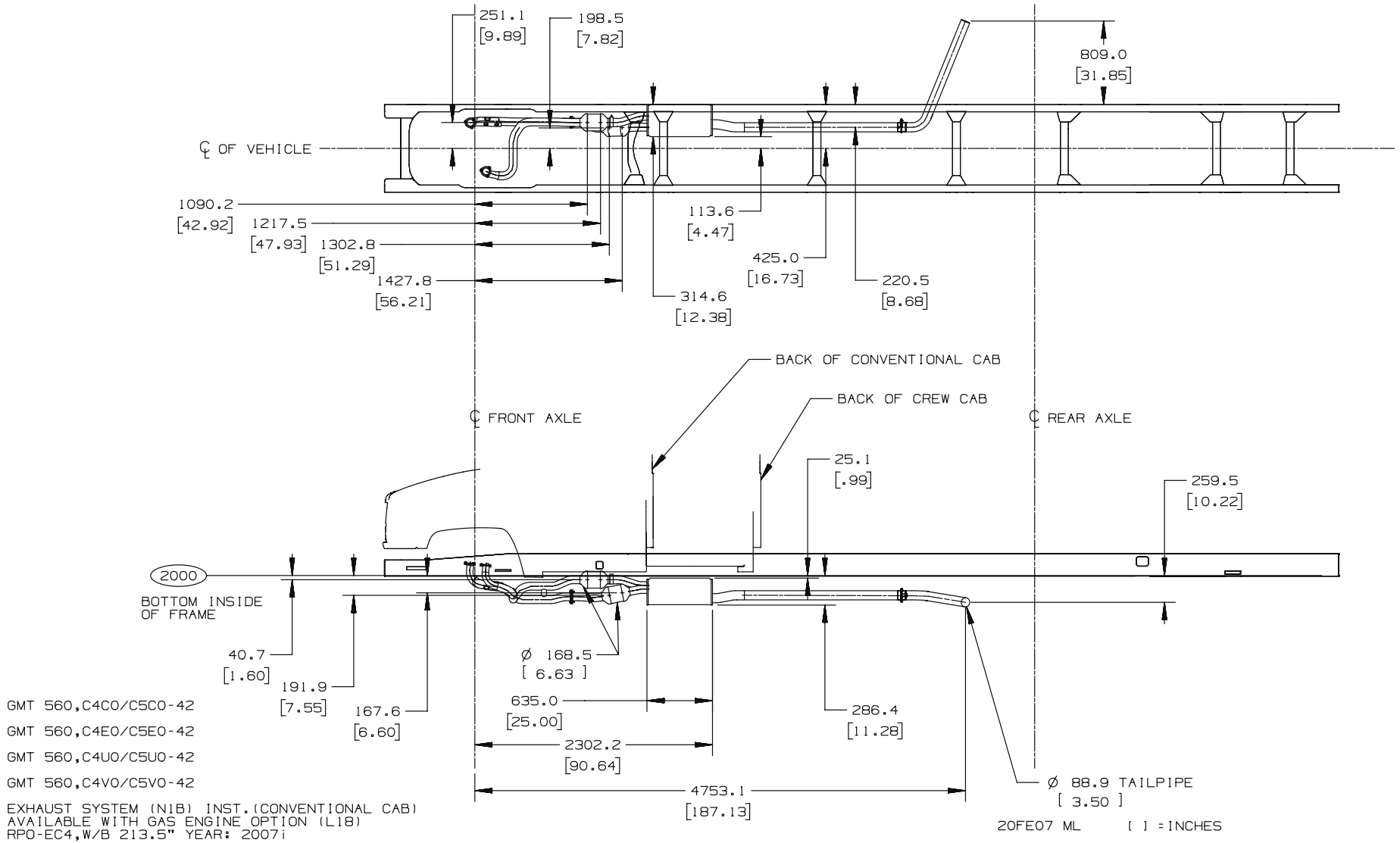

**TD005953.f**

## *Single Horizontal Exhaust and Muffler w/Tailpipe Extended to End of Frame – Option N12 w/L18 Gas Engine, C40/C50 (042)*



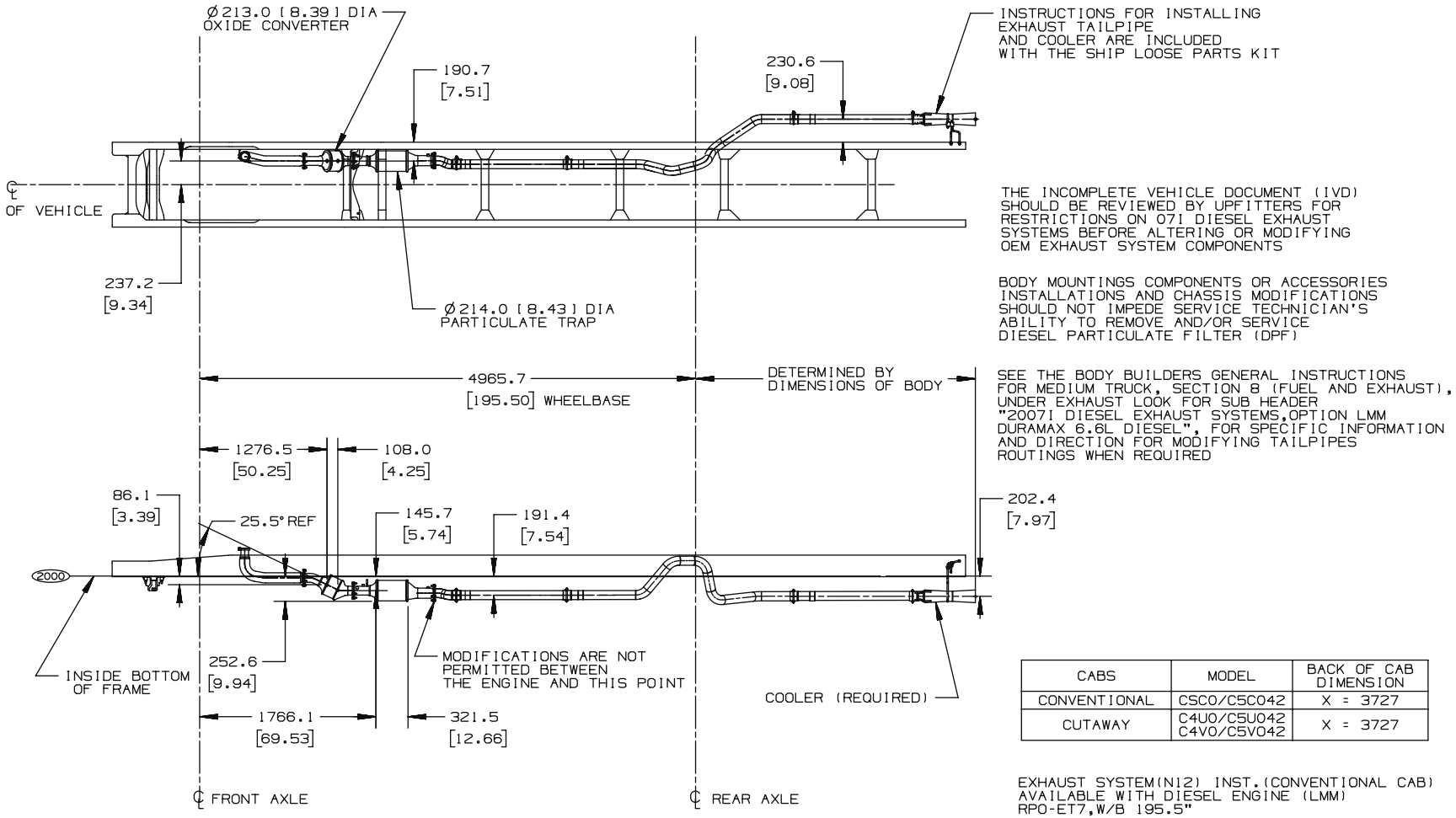

**TD005953.9**

## *Single Horizontal Exhaust and Muffler w/Tailpipe exits RH side forward of Rear Axle – Option N1B w/L18 Gas Engine*




**TD005953.10**

## 2007i Single Horizontal Exhaust and Muffler w/Tailpipe extended to end of Frame Rail – Option N12 W/LMM Diesel Engine, C4/5(C042) & C4/5(U042) & C4/5(V042)


Ø213.0 [8.39] DIA OXIDE CONVERTER
190.7 [7.51]
230.6 [9.08]
INSTRUCTIONS FOR INSTALLING EXHAUST TAILPIPE AND COOLER ARE INCLUDED WITH THE SHIP LOOSE PARTS KIT
℄ OF VEHICLE
237.2 [9.34]
Ø214.0 [8.43] DIA PARTICULATE TRAP
THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS
BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)
4965.7 [195.50] WHEELBASE
DETERMINED BY DIMENSIONS OF BODY
SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED
1276.5 [50.25]
108.0 [4.25]
86.1 [3.39]
25.5° REF
145.7 [5.74]
191.4 [7.54]
202.4 [7.97]
2000
INSIDE BOTTOM OF FRAME
252.6 [9.94]
MODIFICATIONS ARE NOT PERMITTED BETWEEN THE ENGINE AND THIS POINT
COOLER (REQUIRED)
1766.1 [69.53]
321.5 [12.66]
℄ FRONT AXLE
℄ REAR AXLE

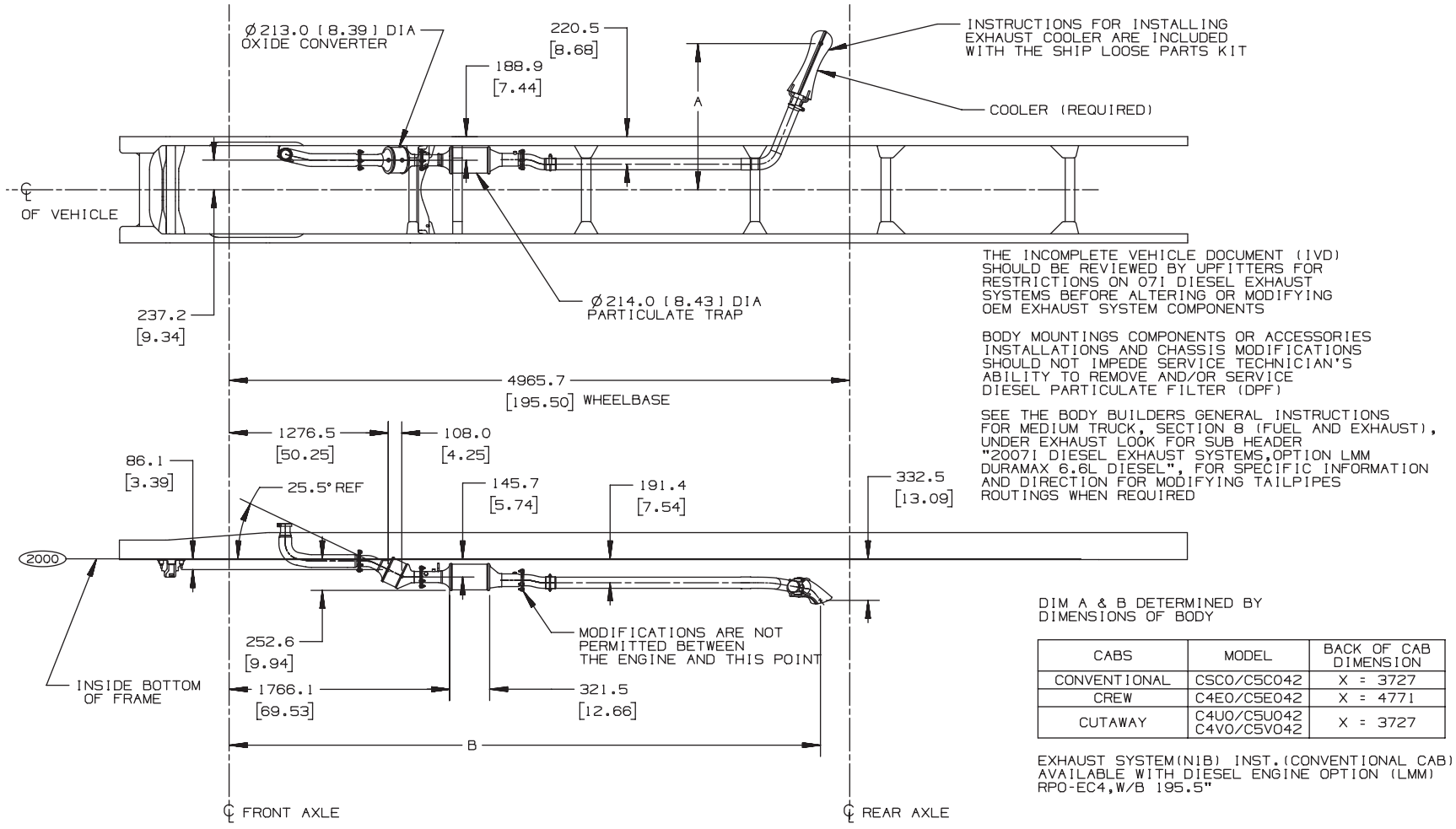
| CABS | MODEL | BACK OF CAB DIMENSION |
|---|---|---|
| CONVENTIONAL | CSCO/C5C042 | X = 3727 |
| CUTAWAY | C4UO/C5U042<br>C4VO/C5V042 | X = 3727 |

EXHAUST SYSTEM(N12) INST.(CONVENTIONAL CAB) AVAILABLE WITH DIESEL ENGINE (LMM) RPO-ET7,W/B 195.5"

GMT560 FAMILY 2 2007 DIESEL LMM & N12 — 07MY07 ML — [ ]=INCHES

**AND20446.4**

## 2007i Single Horizontal Exhaust and Tailpipe routed to curb side Forward of Rear Axle – Option N1B W/LMM Diesel Engine (All cabs on 042's)




THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

DIM A & B DETERMINED BY DIMENSIONS OF BODY

| CABS | MODEL | BACK OF CAB DIMENSION |
|---|---|---|
| CONVENTIONAL | CSC0/C5C042 | X = 3727 |
| CREW | C4E0/C5E042 | X = 4771 |
| CUTAWAY | C4U0/C5U042<br>C4V0/C5V042 | X = 3727 |

EXHAUST SYSTEM(N1B) INST.(CONVENTIONAL CAB) AVAILABLE WITH DIESEL ENGINE OPTION (LMM) RPO-EC4,W/B 195.5"

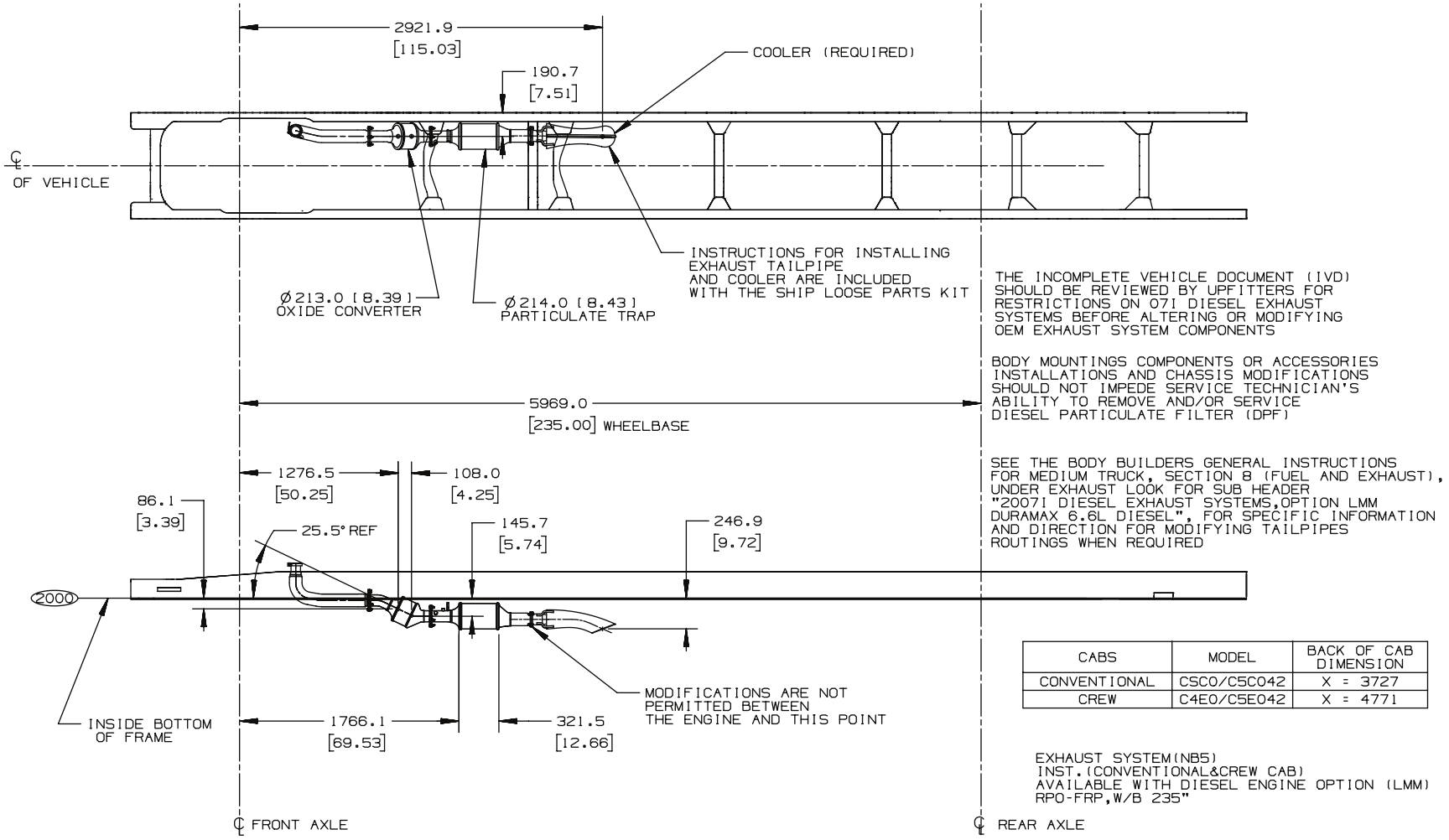
GMT560 FAMILY 2 2007 DIESEL LMM & N1B

07MY07 ML

[ ]=INCHES

**AND20446.3**

# 2007i Single Horizontal Exhaust and Tailpipe – Option NB5 W/LMM Diesel Engine – Regular Cab C4/5(C042) & Crew Cab (E042)




THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

| CABS | MODEL | BACK OF CAB DIMENSION |
|---|---|---|
| CONVENTIONAL | CSC0/C5C042 | X = 3727 |
| CREW | C4E0/C5E042 | X = 4771 |

EXHAUST SYSTEM(NB5)
INST.(CONVENTIONAL&CREW CAB)
AVAILABLE WITH DIESEL ENGINE OPTION (LMM)
RPO-FRP,W/B 235"

GMT560 FAMILY 2 2007 DIESEL LMM & NB5

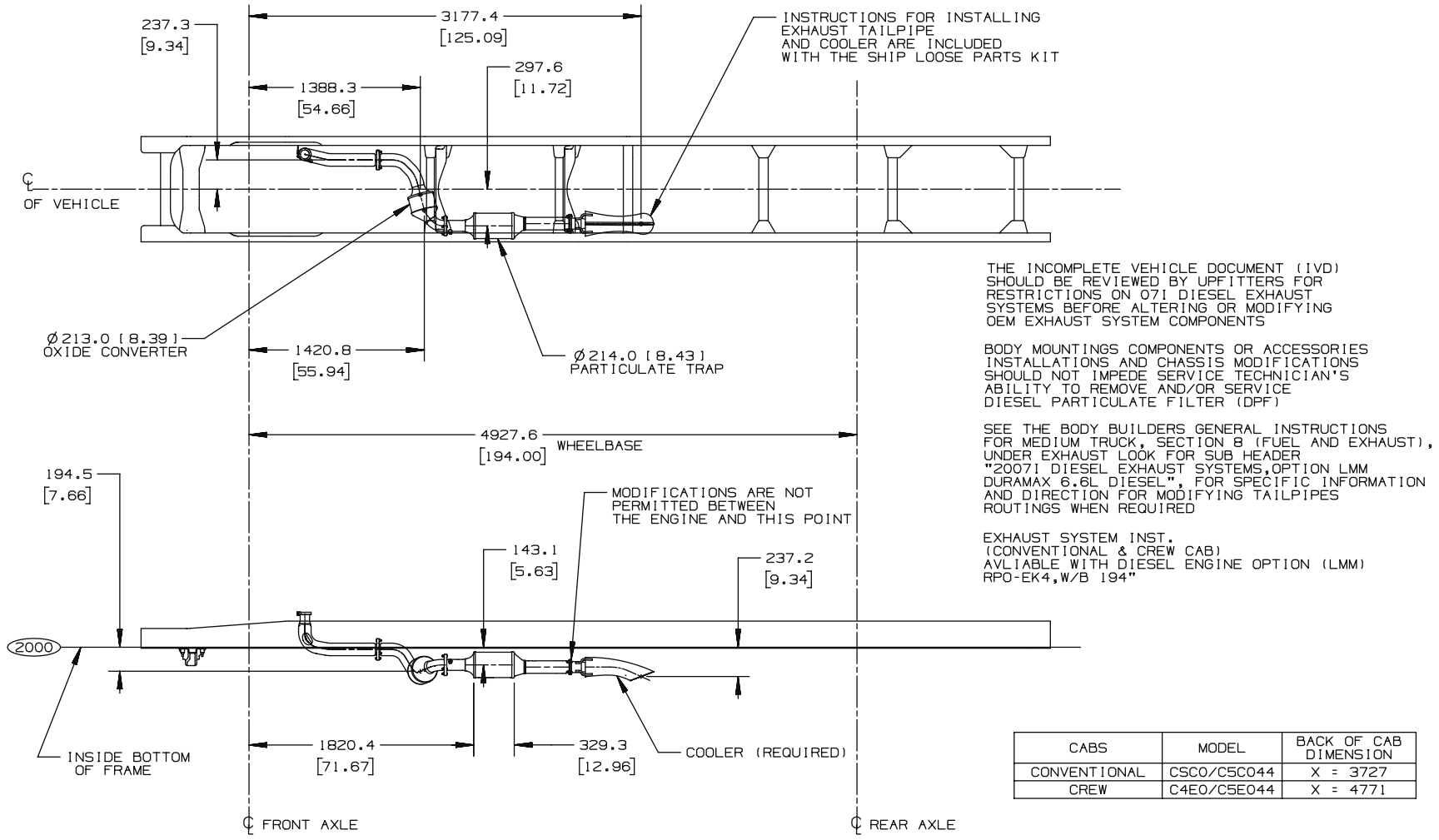
07MY07 ML

[ ]=INCHES

**AND20446.5**

# 2007i Single Horizontal Exhaust and Tailpipe – Option NB5 W/LMM Diesel Engine

## Regular Cab C4/5(C044) & Crew Cab (E044)




THE INCOMPLETE VEHICLE DOCUMENT (IVD) SHOULD BE REVIEWED BY UPFITTERS FOR RESTRICTIONS ON 07I DIESEL EXHAUST SYSTEMS BEFORE ALTERING OR MODIFYING OEM EXHAUST SYSTEM COMPONENTS

BODY MOUNTINGS COMPONENTS OR ACCESSORIES INSTALLATIONS AND CHASSIS MODIFICATIONS SHOULD NOT IMPEDE SERVICE TECHNICIAN'S ABILITY TO REMOVE AND/OR SERVICE DIESEL PARTICULATE FILTER (DPF)

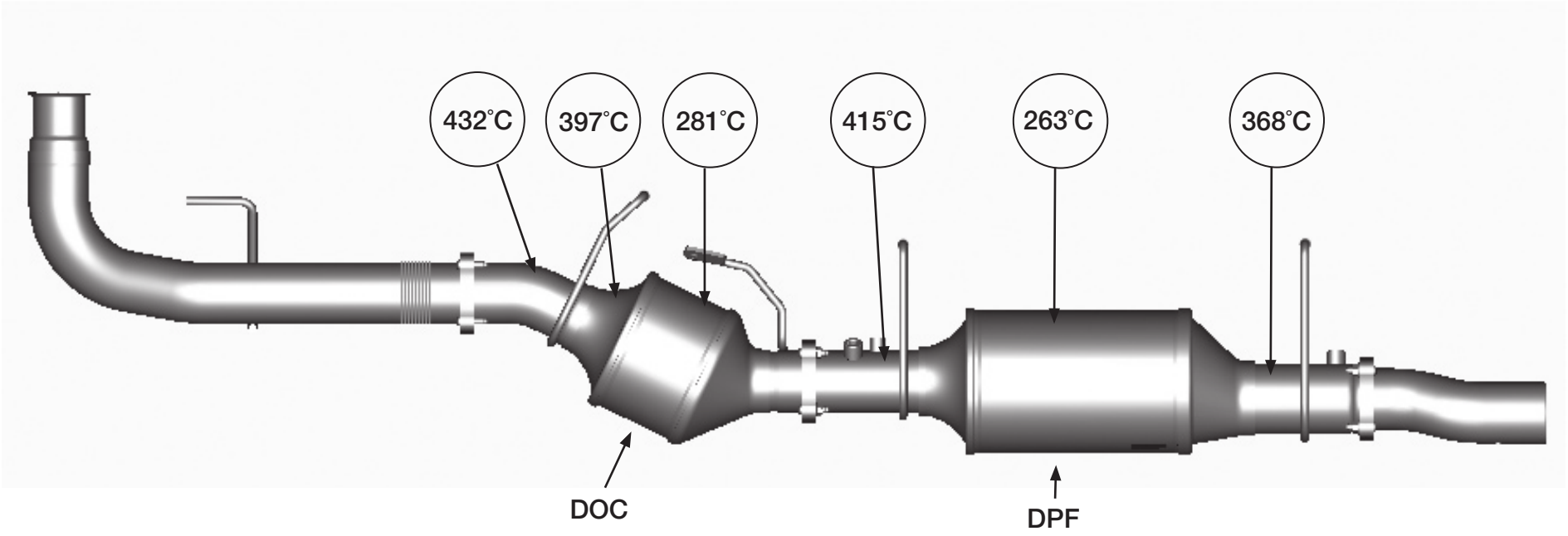
SEE THE BODY BUILDERS GENERAL INSTRUCTIONS FOR MEDIUM TRUCK, SECTION 8 (FUEL AND EXHAUST), UNDER EXHAUST LOOK FOR SUB HEADER "2007I DIESEL EXHAUST SYSTEMS,OPTION LMM DURAMAX 6.6L DIESEL", FOR SPECIFIC INFORMATION AND DIRECTION FOR MODIFYING TAILPIPES ROUTINGS WHEN REQUIRED

EXHAUST SYSTEM INST.
(CONVENTIONAL & CREW CAB)
AVLIABLE WITH DIESEL ENGINE OPTION (LMM)
RPO-EK4,W/B 194"

| CABS | MODEL | BACK OF CAB DIMENSION |
|---|---|---|
| CONVENTIONAL | CSC0/C5C044 | X = 3727 |
| CREW | C4E0/C5E044 | X = 4771 |

**AND20446.6**

# 2007i Single Horizontal Exhaust Tailpipe – LMM Diesel Engine – Exhaust Temperature Map

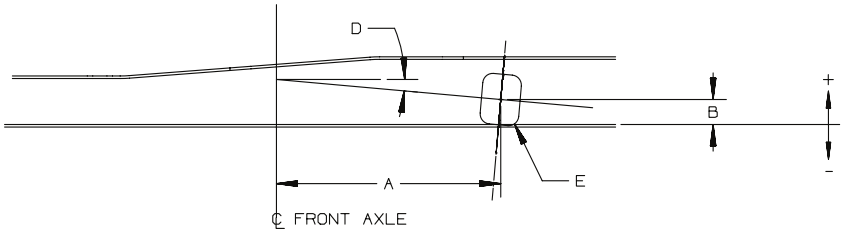


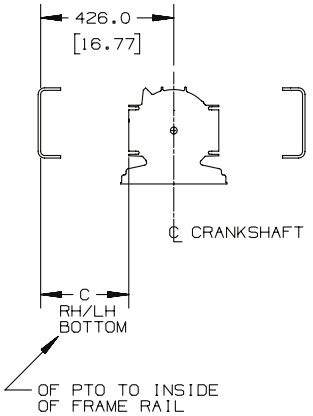

**Note 1:** These are typical exhaust skin extreme test temperatures and the actual temperatures may vary based on specific operating and environmental conditions, as well as the specific body applications.

**Note 2:** The DOC and DPF are emission control devices and cannot be modified or re-positioned.

**Note 3:** For LMM vehicles with N1B Side Exit or N12 Rear Exit tailpipes, the Body Builder/Upfitter is responsible for the required installation of the GM diesel exhaust gas cooler at the end of the tailpipe.

# Transmission PTO




| ENGINE | TRANSMISSION | LOCATION | DIM A | DIM B | DIM C | DIM D | DIM E | MODEL |
|---|---|---|---|---|---|---|---|---|
| L18 8.1L GAS (2008) | ALLISON 1000 RDS (MBV) | LH | 713.8 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C400/500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |
| | ALLISON 2200 RDS (MBZ) | LH | 713.8 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |
| | ALLISON 2350 HS/RDS (MHE) | LH | 713.7 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C400/500 |
| | | RH | 713.7 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |
| LMM 6.6L DIESEL (2007i) | ALLISON 1000 RDS (MBV) | LH | 713.8 [28.1] | +78.1 [3.07] | 283.0 [11.14] | 5.0 | 6 BOLT | C400/500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 268.0 [10.55] | | | |
| | ALLISON 1000 EVS (MBW) | LH | 713.8 [28.1] | +78.1 [3.07] | 283.0 [11.14] | 5.0 | 6 BOLT | C400/500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 268.0 [10.55] | | | |
| | ALLISON 2200 RDS (MBZ) | LH | 713.8 [28.1] | +78.1 [3.07] | 283.0 [11.14] | 5.0 | 6 BOLT | C500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 268.0 [10.55] | | | |
| | ALLISON 2200 EVS (MY6) | LH | 713.7 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C500 |
| | | RH | 713.7 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |
| | ALLISON 2350 RDS (MHE) | LH | 713.8 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C400/500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |
| | ALLISON 2350 EVS (MHD) | LH | 713.8 [28.1] | +78.1 [3.07] | 288.0 [11.33] | 5.0 | 6 BOLT | C500 |
| | | RH | 713.8 [28.1] | +78.1 [3.07] | 282.2 [11.11] | | | |

EXPLANATION OF LETTERED DIMENSIONS

A= FRONT AXLE TO PTO OPENING
B= BOTTOM INSIDE OF FRAME RAIL TO PTO OPENING
C= INSIDE OF FRAME RAIL TO PTO OPENING
D= DRIVELINE ANGLE
E= POWER TAKE OFF MOUNTING

GMT560 C400/500 300C06 JF [ ] INCHES

**AND77014.3**